

52 02425-4
The Royal College of Physicians
of London.

From the Library of
Sir Andrew Clark, Bart.

Presented by Lady Clark.

146 E 18

SL

616 895 4



SL/23-1-f-24

NERVOUS DISEASES,

LIVER AND STOMACH COMPLAINTS,

LOW SPIRITS, INDIGESTION, GOUT,

ASTHMA,

AND DISORDERS PRODUCED BY TROPICAL CLIMATES.

With Cases.

BY

GEORGE ROBERT ROWE, M.D., F.S.A.

MEMBER OF THE ROYAL COLLEGE OF PHYSICIANS, LONDON,
AND OF THE ROYAL COLLEGE OF SURGEONS, ENGLAND, ETC. ETC.

Συμπαθία πάντα.—HIPPOCRATES.

From the impressions of the mind proceed the operations of the body.
LOCKE.

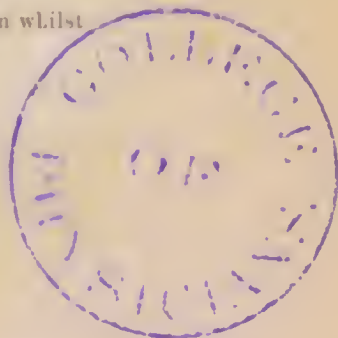
We cannot reasonably expect tranquillity of the nervous system whilst
there is disorder of the digestive organs.—ABERNETHY.

THIRTEENTH EDITION, REVISED.

LONDON:

JOHN CHURCHILL, PRINCES STREET, SOHO.

M DCCC LII.



LONDON:
SAVILL AND EDWARDS, PRINTERS, CHANDOS STREET,
COVENT GARDEN.

ROYAL COLLEGE OF PHYSICIANS	
LIBRARY	
CLASS	616.895 4
TEXT	24989
NUMBER	
DATE	

TO
THOMAS COPELAND, ESQ., F.R.S.

SURGEON TO THE QUEEN,
SURGEON TO HIS LATE R. H. THE DUKE OF SUSSEX,
MEMBER OF THE COUNCIL OF
THE ROYAL COLLEGE OF SURGEONS (ENGLAND),
&c. &c.

MY DEAR SIR,

IF dedicating this little Volume to you can be construed into a public acknowledgment of high esteem and great personal obligation, I beg you to believe that with much satisfaction and sincerity I offer it for your acceptance. I feel pleasure also in the opportunity, thus afforded me, of bearing testimony to talents and acquirements which have not only greatly benefited mankind, but have, at the same time, contributed largely to the advancement of Science. Anxious and zealous in the exercise of your Profession, by your talents and urbanity you

have most justly commanded an extensive Practice, and yet have never ceased to show the kindest regard for the interests and feelings of your brethren, in the humbler walks of the Profession. This remark is but an echo of the sentiments of all its Members. Nor can I, on such an occasion, forbear to allude, with much pride and gratification, to that friendship which you have so liberally extended towards me, during a period of more than thirty years.

With admiration of your talents, a deep sense of gratitude for your long-continued kindness, and a sincere wish that your life may be happily preserved for many years,

I am, my dear Sir,

Your faithful Servant,

GEORGE ROBERT ROWE.

*Cavendish-square,
London.*

ADVERTISEMENT

TO

THE THIRTEENTH EDITION.

THE unexpected and sudden demand for another edition of this book (although the last impression was double the usual number) leaves me but few opportunities of making any important alterations. It does not appear necessary for me to enlarge upon the evils arising from improper indulgence in our appetites and the uncontrolled restraint upon our passions, because I believe that "confirmation strong as proofs of holy writ" has been exemplified in the most convincing and satisfactory terms to the world at large ; and, moreover, the retribution that necessarily follows the undue exercise of our mental or corporeal faculties has not only been experienced by its numerous victims and votaries, but the charms of temperance, activity, and

virtue, have been portrayed in such glowing contrast, that I shall content myself by merely alluding to those important truths, believing the adoption of them in a remedial point of view to be even paramount to the medical treatment of disease.

When this treatise first appeared, the attention of the Profession and Public had been but little directed to the prevalence and fatal results of that great scourge of humanity, INDIGESTION, and its concomitant train of diseases ; and as their more perfect knowledge and successful treatment became evident, other writers embarked in this wide field of inquiry. Human existence has been prolonged, and many sad scenes, both of mental and corporeal suffering, have been lightened in their effects, and mitigated in their destructive influence over the various ills of our nature.

It is at all times hazardous to introduce personal allusions in a Work intended to meet the Public eye ; but where truth and justice prevail,

little fear need be entertained, and I therefore claim to myself the merit of at least having introduced this Essay when the subject had not been previously discussed, and moreover in a form calculated to impress not only upon the minds of the professional readers, but the unfortunate sufferers from the diseases of which this Volume treats, the value and importance of diet and medical management.

To the Public Press I owe a deep sense of obligation for the uniform kind and flattering notices it has given of this work.

The extensive circulation of several thousand copies of this book, and the increased professional confidence I have enjoyed for many years, are flattering tests of its appreciation by the Public, and the truth and utility of the doctrines it advocates.

*Cavendish-square,
London.*

P R E F A C E.

DR. SAMUEL JOHNSON, speaking of the profession of physic, describes it as "A melancholy attendance on misery, a mean submission to peevishness, and a continual interruption to pleasure." If such a remark was ever justifiable, assuredly it is not, in the present day, applicable to that enlightened profession, which relieves the misery and assuages the pains of suffering humanity. The professor of the healing art approaches the sick man's bed, not as "the melancholy attendant on misery," but as the messenger of hope and comfort; his office is regarded, not as "a mean submission to peevishness," but as a condescension of science in soothing and alleviating the distress and afflictions incidental to our frail nature. Instead of finding it "a continual interruption to plea-

sure," I have frequently experienced in its exercise a joy and satisfaction indescribable, when persevering skill and care had restored a beloved object to anxious friends, or a useful member of society to the duties of life.

It is, however, quite unnecessary to expatiate on the advantages of medical science, and its practical benefits to the world at large. It is a science which comprehends the perfection of human wisdom, applied to the personal comfort and vigour of man; and the practice exemplifies one of the divine attributes in relieving the sufferings of our fellow creatures.

The subject of the present Essay may be gathered from the title-page. I aim at nothing more than to point out a regular and decided mode of treatment in the cure of the Hypochondriatic and dyspeptic diseases, consistently with the concentrated opinions of the most eminent men in the profession. In doing this, I do not pretend to possess a knowledge superior to that of other practitioners, or attempt to subvert the

usual systems of treatment of these prevalent maladies. My object is to communicate the result of long-continued application, carefully exerted in the investigation and consideration of these particular diseases in this and in other climates. Plain practical observations are first set forth, concerning the causes, the progress, and the different phases of these great disturbers of the health and state of the human frame: a course of treatment and remedies are next suggested, and proofs and illustrations offered in several of the most striking and interesting cases that have come under my notice.

I have, in the course of the Work, adverted to some of the remarkable sympathies, and connexions between many of the important organs of the animal economy. It is true that the operations of nature are often involved in obscurity; many of them are unaccounted for, and are only known to exist: yet it is essential, in the management of disease, that medical practitioners should be apprised of the existence and certainty of these phenomena, although their causes

cannot be ascertained. *Sufficit si quid fiat intelligamus, etiamsi quomodo quidque fiat ignoramus.*
—CICERO.

I have cautiously refrained from entering too largely into physiological detail ; my aim has not been to establish new principles in medical science, but simply to present to the Public the results of *thirty years practical observations and experience* ; and although I am conscious of my fallibility and imperfections, I feel satisfied that the opinions which I have expressed will be borne out by the concurrent testimony of the enlightened members of our profession. It is also most grateful and satisfactory to perceive that the principles here laid down and illustrated, coincide with, and carry out to an increased extent, those valuable and important doctrines first promulgated by my great master and lamented friend, the late John Abernethy.

The experience which my practice in different parts of the world afforded, induced me to observe most closely the nature and progress of com-

plaints so frequently occurring under varied appearances; and while I would earnestly impress on the minds of practitioners in general, the necessity of attending most strictly to the minutiae of the case, I would admonish the invalid against the employment of empirical nostrums, daily offered as specific remedies; and against indulgence in spirituous and fermented liquors, and other such stimulants, which surely, though it may be silently and secretly, feed and increase the disease.

Hence, in detailing the diet and regimen to be observed, I have dwelt most particularly on the advantages accruing from regular and temperate habits of life; for these must be regarded as our grand coadjutors in promoting health, and in annihilating disease, which is principally caused by neglect of them. Such habits, viewed either in a moral or physiological light, carry with them conviction of their rectitude.

More than thirty years have elapsed since the first publication of this Work: an enlarged field

has been opened for the suggested treatment of these disorders; my opportunities for investigation and proof have of course increased, and from these I am enabled unequivocally to confirm the efficacy of the treatment herein recommended. Indeed, since the appearance of this little Volume, the principles which it advocates have been corroborated by many of the most eminent members of the Profession, in other countries as well as in this. Of these, Dr. Paris, Dr. Wilson Philip, Dr. J. Johnson, Dr. A. Combe, Dr. Beaumont of the United States, and Professor Müller of Berlin, deserve especial notice.

I have introduced Dr. Beaumont's valuable remarks on dietetic economy; and I have readily availed myself of his valuable and important experiments in elucidation of the digestive process. I rejoice that the labours of that distinguished philosopher have been so beneficial in establishing a dietetic system, which must remove many prejudices, and secure to invalids a plan well calculated to promote their restoration to health.

Indigestion is justly designated the fruitful source of most of the ailments and diseases which afflict human nature; and when its various causes are considered, involving our contradictory and preternatural modes of life, no doubt can be entertained of the importance of a sound remedy, not only in removal of disease, but in the preservation of restored health. Some of the Cases will be found referring to Liver and Stomach complaints; additional proofs of the prevalence of these distressing maladies. Several cases of Asthma have lately come under my notice, and I have introduced a few remarks on the treatment of that disease. Similar remarks, at greater length, have been introduced on Gout; these may tend to throw a new light on the subject, and are calculated, I trust, to mitigate and relieve, if not to remedy, this distressing malady. Another class of diseases has also lately been more strikingly submitted to my care, viz., those resulting from the effect of Tropical climates on European constitutions: and never were the effects of the restorative principles of diet, regimen, and the mild altera-

tive system more satisfactorily evinced than in the cases of Indian invalids.

I hope that the various Cases, added in the later Editions, will, (simple and humble as they may appear) be deemed by my medical Brethren of sufficient importance to claim their attention; and that the public generally will be convinced that many of those formidable maladies, which prove so destructive to human happiness, can generally be mitigated, or altogether removed, by a simple and rational treatment. Many cases must necessarily have occurred in my practice, when every remedial measure was tried in vain; but such details would not benefit science so much as they might alarm nervous invalids, and therefore I have purposely abstained from introducing them.

The flattering notice with which "The Times" honoured this Work, was most gratifying and encouraging to me. It contained, however, a misconception with regard to the time of its

first publication, in stating that "it comprised much which had already been laid before the Public by Dr. W. Combe, and other medical writers." Without the slightest idea of detracting from the well-merited esteem in which these Authors are held, I beg to state that the First Edition of this Work appeared in 1820; at which time neither Dr. Combe nor any other Medical Writer of the present day had introduced the subject to the Public.

ON
NERVOUS DISEASES,

&c. &c.

CHAPTER I.

Low Spirits.

THE connexion existing between bilious and nervous diseases, and the generally received opinion of their dependence on each other, render any observations on maladies so prevalent always highly interesting; and useful such observations must be, if they only conduce to excite the attention of others in the profession, more capable of explaining the nature of the diseases, and thus lead to a discovery of the most proper remedies. Happily for mankind, since the appearance of these observations

(thirty years ago) many valuable and important investigations have taken place;* the diseases have been much mitigated, the formidable train of symptoms ameliorated, and melancholy results, heretofore too frequently fatal, skilfully averted.

The term "nervous" may be applied, in a general point of view, to every disease that affects the human body, which is always more or less dependent on nervous excitability; but in the modern professional acceptation of the word, the epithet is more strictly applied to that class of diseases in which the nervous system is immediately and principally interested.

Now, as all nervous energy must be supposed to originate in the regular and healthy formation of blood, which the great sympathy between the nervous and sanguiferous system evidently denotes, it is just to infer that those organs, principally interested in the assimilation of food, must be considered as the incipient causes of vitiated nervous sensibility; it will, therefore,

* *Vide* Dr. Wilson Philip ; Dr. Paris ; Dr. J. Johnson ; Dr. Combe ; Dr. Beaumont, of the United States, &c. &c.

be my aim to select such instances as physiological and practical observations will amply justify and clearly demonstrate.

“The influence of the stomach in the animal œconomy is greater than is perhaps generally imagined. It not only contributes to the digestion of the aliment, but the whole system is either invigorated or affected with a languor, according to the different dispositions of the nerves. By proper food, the nerves of the stomach are gratefully stimulated, and the whole body is thence enlivened and strengthened; so that, besides its use for nutrition, food in the stomach becomes, on account of its stimulus, altogether necessary in some delicate nervous people for keeping up the strength of the body and the due exercise of all its functions: and hence it is that such persons become faintish as soon as the greatest part of the food has passed into the intestines.”*

The sudden effect from mental impressions are evinced by the fact that certain fears or affec-

* Whytt on Nervous Diseases, p. 255.

tions excited in the mind are frequently accompanied by corresponding sensations in the body: thus seeing another vomit will often cause the same effect on the spectator; the recital of tales of misery and woe will stimulate the lachrymal glands to pour out tears in greater abundance; and it was observed by Hippocrates, that the unexpected sight of a serpent immediately causes the countenance to turn pale.* Among other instances of this peculiar species of sympathy, is that of yawning being so generally communicated to persons in the same society. Now these effects must be attributed to the changes made on the *sensorium commune*, by the mind or sentient principle.

When the stomach is disordered, languor, debility, restlessness, and impatience are the consequences.† The great sympathy between

* Lib. de Humoribus.

† “The stomach being misaffected, which he calls the King of the Belly, because, if he be distempered, all the rest suffer with him, as being deprived of their nutriment, or fed with bad nourishment; by means of which come erudities, obstructions, wind, rumbling, griping, &c.”—*Burton's Anatomy of Melancholy*, Part I. sec. 2. memb. 5. sub. iv.

this organ and the skin is manifested by the eating of shell-fish, which will, in some peculiar habits, produce a violent eruption; the external application of cold in fevers occasionally excites vomiting; and thus also worms, lodging in the coats of the stomach, by their irritating powers on its nervous sensibility, cause convulsions in the whole frame.

Nothing produces more surprising changes on the body than the affections of the mind; and when we consider that the action of the heart is greatly accelerated, and nervous energy preternaturally diffused by fits of anger, we see clearly demonstrated the unity of action between the arterial and nervous systems. It is but reasonable, therefore, to suppose, when the circulation is languid, that general debility will be the result, and when stimulated, the contrary.

The contractile state of the pupil of the eye, when light is unexpectedly and offensively admitted, and the increased secretion from the lachrymal glands, when any irritating substance is applied to the eyes, are decided and manifest convictions of that principle of self-preservation,

which so conspicuously displays itself in all the functions of the animal economy, by getting rid of something prejudicial to the due performance of the peculiar office, and must be attributed to that connexion between the mind, or sentient principle, and body, which animates our whole frame. Yet, even in some instances, these efforts to prevent the accumulation of morbid matter, are productive of serious and fatal consequences; their impetuous and irritating powers too violently affect the constitution: still these efforts are sometimes productive of utility, even as we often cherish things and habits which might ultimately tend to the destruction of life.

The peculiar sensation of hunger is among those phenomena of nature, which are as yet unaccounted for. "The cause which excites appetite is an impression made on the nerves of the stomach; but the feeling itself is experienced in the brain, to which that impression is conveyed.*" By way of illustrating the influence which the nervous or living principle has, in counteracting the corrosive qualities of the

* Combe.

secretion of the stomach, the following well-authenticated case might be mentioned.* A criminal, immediately before his execution, had eaten a hearty meal. On dissection, when the abdominal viscera came under examination, it was found that the stomach itself had undergone the same changes as its contents; clearly proving that this potent secretion (for the purpose of digesting the alimentary matter contained in the stomach) had been excited, but, by the vital destruction of the organ, it was deprived of that mysterious protector, which would seem to indicate, "thus far shalt thou go, but no farther."—"My impression is that the sensation of hunger is produced by a distension of the gastric vessels, or that apparatus, whether vascular or glandular, which secretes the gastric juice, and is believed to be the effect of repletion by this fluid."†

The singular sympathies and connexions in the animal formation, as well as the wonderful faculties of reason, memory, imagination, reflec-

* Observations of John Hunter and Spallanzani.

† Dr. Beaumont's Theory of Hunger, page 47.

tion, judgment, &c., so remarkable in man, and by which he is so eminently distinguished from the brute creation, must be referred to the brain, as the medium or instrument by which they emanate; but the manner in which the will is conveyed to the brain, or how sensations are excited in different parts of the body, remain involved in mystery;* yet contemplation on this grand and sublime mystery, duly and seriously exercised, will surely preponderate over the hypothetical opinions, which materialists adduce of the non-existence of a Supreme Being; and however hidden it may at present remain, yet future ages may perhaps develop the awful and omnipotent source.

The nerves are subject to the same diseases as other parts of the body; they may become inflamed or irritated, and their sentient powers may become either too acute, obtuse, depraved, or entirely deficient, as in cases of Paralysis,

* "The Author of Nature is perfect in all His works; and although we may not understand all the operations of His hands we are compelled to acknowledge their wisdom, propriety, and beauty."—*Beaumont*, p. 47.

Hydrophobia, Hemiplegia, &c. ; but as I intend to confine myself particularly to those species of nervous disease, which are denominated Hypochondriasis or Low Spirits, and Dyspepsia or Indigestion, I shall forbear to make any remarks on others, as the subject would require a much greater latitude than the present work is intended to comprise.

In describing the symptoms of hypochondriasis, or, as it is usually termed, Vapours, or Low Spirits, I shall not enter into an enumeration of all the morbid changes, but content myself with the most common and remarkable ; for, as the learned Sydenham remarks, the variations of the hypochondriac and hysteric diseases are only to be equalled by the shapes of Proteus, or the colours of the Chameleon ;* in fact, in a greater or less degree, they become intermixed with almost every chronic disease to which the human body is subject ; and, as the celebrated Dr. Mead has justly observed, “*Non unam sedem habet, sed morbus totius corporis est.*”†

* Sydenham, Opera Epistol. ad D. Cole.

† Monita et Præcepta Med. cap. xvi.

The following are among its most common indications. Want of appetite, indigestion, debility, faintness, and sense of great sinking, and fulness at the stomach; flatulence in the intestines, acid eructations of wind, nausea, and frequent vomiting of dark fetid liquor; pain and spasms extending across the epigastric region; great depression of spirits, impatience, and anxiety; clay-coloured evacuations from the bowels, sometimes in a relaxed, at others in a costive state; hæmorrhoids or piles, and frequent discharges of blood; flushings of heat, and cold shiverings over the whole body; pains in the back and shoulders, spasmodic affections of the muscles; tremblingly alive to a sense of danger;* restlessness and want of sleep, sudden startings on the slightest unexpected noise; frequent sighing, a sense of great oppression about the region of the heart, with violent palpita-

* Cum a casu aliquo graviori molestum patitur humana anima ataxiam concipiunt animales spiritus. Urina subinde limpidissima copiose excernitur, sanitatis recuperandæ spes omnis protinus abjicitur, et tristissima quævis sibi ominantur ægrotæ.—*Sydenham*, page 570; De Adfectione Hypochondriacâ.

tions; the skin is dry and constricted; tongue furred, and an unpleasant taste in the mouth; fætor of the breath; tremors, more particularly when the stomach is empty, with frequent yawning; pains in the head, with frightful dreams and hallucinations; pulse irregular and intermitting; giddiness and confused noises in the ears; vision frequently obstructed and imperfect; impaired memory, wandering and unconnected thoughts, want of resolution, considerable difficulty in being roused to either mental or corporeal exertion; former occupations which were regarded with pleasure and satisfaction, now become tedious and irksome; and many other symptoms which it would be tedious here to enumerate.

There are but few patients, who after having been afflicted with these symptoms for any length of time, do not fall into a state of melancholy, madness, apoplexy, dropsy, phthisis pulmonalis, or some other fatal disease, unless timely aid is had recourse to; and this, in the early stage of the disease, is generally to be

attained by that mode of treatment to which I shall hereafter refer.

The leading causes of Hypochondriasis will next come under consideration: these are various, but the general ones must be attributed to morbid derangements of the liver* and stomach,† glandular obstructions of the alimentary canal; intense study; mental disquietude; immoderate and luxurious living; sedentary and inactive occupations; inebriety frequently indulged in; and *in libidine veneriâ excessus*.

These conjoined, in a habit predisposed to nervous excitement, which is strongly indicated by a peculiar melancholic temperament, sallow complexion, thick impending eyebrows, coarse moist hair, are to be denominated the primi-

* "The weakness of the liver and his obstruction, a cause *facultatem debilem jecinoris*, which he calls the mineral of melancholy."—*Burton's Anatomy*, Part I. sec. 2. memb. 5. sub. iv.

† "There is no doubt that low spirits, melancholy, and disturbed sleep, often proceed from a disordered state of the stomach." — *Whytt on Nervous Disorders*, page 318.

tive and most potent symptoms of this afflicting malady.

And here I would allude to the numerous list of patients who have passed under my notice from among gentlemen of the legal profession; clearly evidencing that, where corporeal exercise has not been used as a principal auxiliary to stem the morbid effects of an overstretched mind, the most formidable attack of Hypochondriasis is too frequently the result.

I would also refer to another class of persons, whose juvenile indiscretions have established in them a peculiar morbid sensibility of the nervous system; and it has been for several years past a most painful part of my duty to witness the sad destruction of vital energy—the gloomy and torpid state of the mind—the pallid countenance, the heated skin, with patches and blotches on its surface—the vitiated state of stomach, with general constipation of the bowels—the loss of memory, imperfect vision, and general constitutional derangement, that many young men have entailed upon themselves. This I believe to be one of the most aggravated forms of the

hypochondriac disease, and requiring more than ordinary management, as well as considerable time, in its mode of cure; as it must be evident that a disease, involving as this does by gradual means every important organ in the human frame, and thereby impairing all their secretions, demands the utmost vigilance of the medical practitioner, and the steady perseverance of the patient.

In pointing out the most efficient remedies, it will be necessary to state the objects which they are intended to accomplish; and the following rules are to be adopted as the most rational principles of cure, which I shall define or distinguish as the mental and corporeal:

1st. The nervous system, being deprived of its energy, requires a powerful stimulus to remove the consequent torpor and gloomy state of the mind.

2d. The constant indolent and morbid action of the gastric and biliary organs, demands the greatest exertions to promote a due and healthy performance of their various functions.

In order to accomplish the first of these objects, the following directions are recommended: change of air and exercise,* cheerful society, travelling, indulgence in some favourite sport, as hunting, coursing, shooting, gardening, a sea voyage, or any employment that will withdraw the invalid's attention from that proneness of mind which is cherished in contemplating the danger arising from the disorder. The management of the mind is to be regarded as of the greatest consequence; and every attempt to persuade the unhappy sufferers that their apprehensions are imaginary or unfounded, must be avoided; therefore, compassion and kindness, with every possible attention to their feelings or wants, must be substituted for ridicule or reasoning.

In recommending hypochondriacs to adopt

* "Many people who are extremely irritable and hypochondriacal, and are obliged to take medicines to regulate their bowels whilst they live an inactive life, no longer suffer from nervous irritation, or require aperient medicines, when they use exercise to a degree that would be excessive in ordinary constitutions."—*Abernethy's Surgical Works*, vol. i. page 91.

change of scene and exercise in the open air, I consider it quite unnecessary to take Continental tours; for I believe that of all climates in Europe, England seems to be most capable of engendering habits of activity in the mind, and little calculated for repose. Sir Humphrey Davy remarks, "The alterations of the climate of England, so various and rapid, continually awaken new sensations; and the changes of the sky from the blue æthereal to clouds and fogs, seem to keep the nervous system in a constant state of excitement. In the cheerful and tumultuous atmosphere of England, to be tranquil is a labour, and employment is necessary to ward off attacks of *ennui*."

In describing modes of cure, general rules only can be advanced, as the various symptoms in this, as well as other diseases, prevent the suggestion of specific ones; and having now stated those mental remedies, I shall next proceed to consider the corporeal.

The sympathy between the stomach and brain which has been noticed, as well as the important changes the digestive organs have to effect in

the decomposition and assimilation of nutritious matter, and the too general indulgence in the luxuries of the table, afford sufficient reason to suppose that the seat of this disease must, in some measure, be referred to the vitiated secretion and imperfect functions of the stomach,* and suggest that particular attention ought to be paid to the matter conveyed into it. Light animal food must be preferred to vegetable,† as being likely to occasion less acidity; milk, as requiring less digestion; boiled fish, or white-fleshed poultry, custards, bread puddings made with eggs, boiled rice, light French bread; and every substance containing fatty or oily matter, as butter, rich soups, &c., must be avoided. The drink should consist of light French wines, in

* “When the stomach is in a sound state, and digestion is properly performed, the spirits are good, and the body is light and easy; but when that organ is out of order, a languor, debility, melancholy, watchfulness or troublesome dreams, the nightmare, &c., are the consequences.”—*Whytt on Nervous Diseases*, page 11.

† “As a general rule, animal food is more easily and speedily digested, and contains a greater quantity of nutriment in a given bulk, than either herbaceous or farinaceous food.”—*Dr. Beaumont's Experiments*, page 301.

small quantities: the good effects of wine thus used seem not altogether to have been unknown to Celsus, who tells us, "*Si quis vero stomacho laborat non aquam sed vinum bibere jejunus debet.*"* Wine in general is preferable to malt liquors, as being lighter, less apt to ferment, and less flatulent: tea and spirituous liquors must be avoided.

Experience, which is the best test in all medical dissertations and inquiries, induces me to make the following remark: In recommending wine to some invalids, I have found it too stimulating for their constitutions, and have substituted the present modern improvement in malt liquor, termed "pale ale;"† and, I may venture to assert, with the most salutary results. The malt liquor, when properly prepared, con-

* De Medicinâ, lib. 1. cap. viii.

† Since the appearance of the last edition of this work the public attention has been much excited by the reported adulteration of "*Pale Ale*" with *Strychnine* (the essence of *Nux Vomica*), as a cheap substitute for hops. After careful examination, I deemed it my duty to represent the gross injustice done to the present eminent brewers of "bitter beer," by stating that I had prescribed it for the last twelve years for invalids with the greatest advantage. I also pointed out

tains a large quantity of farinaceous nutritive matter, and a less proportion of spirit; while the hop, by its tonic and narcotic properties, tends to give strength to the stomach, and to allay its nervous irritability.

I may also here bear testimony to the beneficial effects of the Rhenish and dry and light wines, as they combine an acid with the alcohol: and therefore, while they impart a degree of comfort and gratification to the dyspeptic, they do not produce heat or headache.

In some patients it may be found necessary to substitute brandy diluted with water; and this will be expedient in those who have been long accustomed to the stimulating effects of ardent spirits. In such cases the quantity must be gradually diminished; for it will be in vain to hope for improvement in the morbid sensibilities

a simple mode of ascertaining its purity, as if strychnine, quassia, gentian, camomile, or any other drugs, are used in the manufacture of beer, they produce a lingering pungent taste upon the tongue quite distinct from the aroma of the hop, which is grateful and refreshing to the palate. These opinions of mine, which have been reported by the public press, have since been confirmed by two eminent professors of chemistry.

of the brain and stomach, while such a preternatural state of excitement is maintained.

Haller, in his *Physiological Lectures*, observes,* “never use milk, soups, beer, or other liquors made hot, for this is preternatural to man, as well as to all other animals, and by relaxing the nerves of the stomach, heart, diaphragm, and other adjacent viscera, is productive of numerous diseases in those who have them already weak; much less scalding tea, which many drink hot enough to fetch the skin off a delicate finger.”

Now, as this disease may be considered as arising from deranged condition of the stomach, rather than debility, any measures likely to improve the former, without adding to the latter, are to be regarded as among the most beneficial. Immersing the body in cold water, and afterwards rubbing it dry with flannels; early rising, and the hours of bed-time gradually reduced; more particularly if the patient does not sleep. The situation for residence should be selected as being high, or hilly, on a chalky or gravelly soil.

* Vol. ii. page 341, Mihles' translation.

Having thus far very briefly considered the *mental* and *dietetic* treatment of this disease, I shall next proceed to the discussion of the benefits to be derived from the *medical*, and endeavour to point out that particular mode of treatment which I conceive to be best adapted to the cure, due attention being of course paid to the various exciting causes. First, I beg to observe, that, as it is generally in the power of medicine to relieve, so it is frequently beyond its power to annihilate this disease altogether, although it may admit of the greatest palliation; and, under the most favourable circumstances, no permanent benefit can be expected to be derived, without a steady perseverance in a course of diet, medicines, and exercise.

The remedies, which my experience confirms to be the most proper, will perhaps be illustrated by the following enumeration of particular Cases.

CASE I.

A GENTLEMAN, aged 32, of a melancholy temperament, was attacked with violent pains in his head; difficulty of respiration, and sense of fulness about the region of the stomach; which had continued at intervals for several months. When he applied to me, in the autumn of 1813, his appetite was much impaired; tongue furred, with an unpleasant taste in his mouth, particularly in the morning; an uncommon sense of heat, or cold, in different parts of the body, sometimes suddenly succeeding each other; great despondency; wind in the stomach and intestines, with sour belchings; nausea and frequent vomiting of black fetid matter; a sudden and great flow of pale urine during the night; pulse quick and full; restless and disturbed in his sleep, with violent palpitations of the heart. I ascertained that the evacuations from his bowels were sometimes black, at others clay-coloured. Considering that his disease originated from

the imperfect secretion of bile, and the general derangement of the chylopætic viscera, I directed my attention to what I imagined to be the most important object, viz., that of endeavouring to obtain a due and healthy action of the digestive organs: I therefore immediately prescribed a dose of mercury, and an aperient draught.

The discharge from the bowels, by the operation of these medicines, was composed of slimy clay-coloured matter, without the appearance of bile, accompanied with a considerable degree of tenesmus. I then prescribed small and debilitating doses of mercury, with gentle aperients, recommending the most plain and simple diet, with plenty of air and exercise; and, as the secretion from the bowels became more and more tinged with a proper admixture of bile, I found the symptoms gradually disappear, and, in a few weeks, he was perfectly restored. About the same time, in the year 1816, he was attacked with a recurrence of the preceding symptoms, although in a much less degree; but, by a regular and persevering attention to a

similar plan, was again perfectly re-established in his health.

A review of the above case clearly demonstrates the unity of action between the secretions of the animal economy; as a derangement of any of them evidently produces the same affection in the others. The furred state of the tongue and impaired appetite, the appearance of the motions and black vomiting, were convincing proofs that morbid derangement existed in the alimentary canal; whilst the despondency of mind, and profuse discharges of pale urine, evinced that the nervous system was labouring under extreme agitation, and that the secretory vessels of the kidneys were thrown into stronger and quicker alternate contractions; and moreover, as perspiration is often impeded by the operations of the mind, the aqueous part of the blood was determined more to the kidneys. The medicines, by gradually removing the glandular obstructions from the *prima via*, and inducing a due performance of their various functions, prevented those parts sympathising with them in their morbid sensibility; and consequently effected the cure.

CASE II.

A MIDDLE-AGED Gentleman, who had been subject for several years to many of the distressing symptoms of Hypochondriasis, as severe head-aches, indescribable anxiety of mind, trembling and palpitations on the least exertion, and who, in vain, had tried many approved remedies, made application to me in the year 1816. His case was truly pitiable. He had made use of various empiric remedies which are daily offered to the public as infallible, and innocent in their composition, although they contain drugs of the most pernicious nature, and so far from being an antidote, become a powerful auxiliary to the rapid progress of the very disease which they are warranted to cure. By these, his symptoms were not only augmented, but others of a still more alarming nature were induced; the stomach was rendered so irritable as to reject almost everything taken into it, and on examination of the right hypochondrium, I found a considerable

enlargement and induration of the liver; his despondency was so apparent in his countenance, that his friends were apprehensive for his safety. With giddiness there was great dimness of sight (without any apparent defect in the organs of vision), and determination of blood to the head; considerable oppression in the region of the heart, accompanied with frequent sighing. This was his melancholy condition when I was requested to take him under my care. I immediately directed him to abstain from tea, and other enervating liquids; and prescribed leeches to the epigastric region, and saline medicines, with gentle deobstruents, which moderated the violence of the urgent symptoms, and rendered the stomach capable of retaining light food, &c. I then recommended the same plan as was pursued in the case before-mentioned; by which his mental perturbation was allayed, his appetite improved, his tongue became clean, and his bowels regular, their secretions gradually assuming a more healthy appearance; so that, after vigilant attention, I had the pleasure of finding all the distressing symptoms he complained of yield to the remedies which had been suggested.

CASE III.

A GENTLEMAN, aged 60, applied to me in June 1817. He stated that he had been attacked for several years with violent pains in his stomach, with a sense of fulness and frequent spasmodic affections in different parts of the abdomen; irregular evacuations from the bowels, and deficient in quantity; periodical headaches, which, on taking an emetic, were always relieved by vomiting a dark fetid liquor, resembling the grounds of coffee. His appetite was bad, at other times attended with an inordinate desire for food; great dejection of spirits; his countenance peculiar in its appearance, indicating a constitution much harassed and weakened by illness; and, indeed, all that melancholy train of symptoms which so clearly distinguish the hypochondriac disease. I therefore could not but attribute these derangements of health to the morbid influence of the digestive organs; and, as he then complained most of nausea, I prescribed an

emetic, not only for the purpose of ridding the stomach of any offending matter, but of ascertaining the character of its contents, which were fetid and dark-coloured. I recommended him to take the same remedies I had adopted in the other cases; but, as he complained of violent spasms in the stomach, I directed an antispasmodic draught with opium.

This, evidently, had the effect of affording him relief. I then placed him on the same system of regimen, air, and exercise as before recommended, by which his health became much improved, the bowels more regular, and the fæces coloured with a healthier bile. He continued recovering till the September following, when he was induced to pay his annual visit to a favourite watering place; considering himself on the eve of recovery, and that such an excursion would materially tend to establish it. He returned about a month or six weeks after, when he sent to me in a hurry; intimating that he had such severe pains in his head, accompanied with violent pulsations, as almost to raise it from the pillow, and was under apprehension it would ter-

minate in apoplexy. On my arrival, I found his description correct. His pulse was exceedingly full and quick; tongue furred; and I ascertained his bowels had not been relieved for three days. I immediately ordered leeches to be applied to the temples, and directed eight ounces of blood to be taken from the arm, with great benefit. I then ordered the bolus and draught, as prescribed in the first case, which succeeded in procuring three or four evacuations, with the same unhealthy indications as before. The next morning I found him much relieved; he had had a few hours' sleep; his pulse was less frequent, and softer; the pains in his head had ceased, and there remained nothing of those affections but a sense of tenderness on motion. He complained of nausea; and considering it might be occasioned by the medicine, I directed the saline effervescing draughts to be taken regularly every three or four hours. Next day, on visiting him the nausea continued; I therefore ordered an emetic, conceiving that there might be a collection of matter lodging in his stomach: the event justified my apprehension, as he vomited nearly

two quarts of the same liquor, resembling coffee grounds, as before. I then prescribed a draught, with æther and opium, by way of allaying that excessive nervous irritability he now laboured under.

The next day, to use his phrase, "he was his own man again." I then inquired more particularly as to his mode of living during his tour, as well as whether he had confined himself to the regimen I had suggested, and the occasional use of the medicines I had prescribed for him; when he informed me, he considered himself so much better, that he neglected the exact performance of the rules I had laid down, and, until a day or two before his return home, had felt himself quite well. He was now so much convinced of the benefits to be derived from a regular prosecution of the system recommended, that, by a steady perseverance in it, he has continued, with very little intermission, quite restored to health.

CASE IV.

A MIDDLE-AGED Man, by whom I was consulted respecting his case, informed me that his spirits were exceedingly low and depressed, and he had not been well for some months. He complained that his appetite of late was much impaired; his bowels were in a costive state; his flesh was wasted and flabby; his pulse feeble and frequent; and his general demeanour languid and irritable. His tongue was covered with a dark brown crust; his nights were restless and disturbed by frightful dreams, and, in the morning, he awoke tired and unrefreshed. He had pains in different parts of the body, suddenly removing from one place to another; giddiness upon rising up hastily; and objects frequently appeared to him double. He was also troubled with cramps and convulsive motions of the muscles; a sense of heat and irritation in the neck of the bladder and urethra, with frequent desire to make water, and great

discharges of limpid urine; sudden flushings of heat over the whole body, shiverings, and a sense of cold in certain parts, as if water were poured upon them, succeeded by an unusual glow. The functions of the digestive organs, which were so manifestly deranged and which, doubtless, were the primary cause of his disease, required every energy on the part of the practitioner to restore them to a healthy state; therefore, I prescribed for him alterative doses of blue pill and rhubarb, with occasional doses of Epsom salts, manna, and infusion of senna; and to pursue the regimen I had suggested in the preceding cases. In the course of a short time the symptoms were considerably alleviated, his appetite much improved, and his nights more tranquil and refreshing; still he complained of excessive languor and debility, with great disinclination to engage in his former occupations. I now ordered him to take two glasses of port wine daily, and persevere in the course of medicines prescribed; but his bowels being too much relaxed, I omitted the magnesiæ sulphas in his mixture. This treatment, by cleansing the *prima via*, and exciting

the chylopætic organs to greater activity, enabled him, in a short time, to enter into his former pursuits with alacrity, and dispelled those gloomy ideas which are the inseparable companions of Hypochondriasis.

CASE V.

A YOUNG Gentleman, whose habits of life had been intemperate, submitted himself to my care. He was much emaciated; his eyes appeared sunk, and his features were greatly dejected: he had been of a cheerful and active turn of mind until the last year or two, when something so preyed upon his spirits, that what had formerly given him pleasure, seemed now to be most irksome and distressing to him. When I first saw him he complained of dull pains in the head, more particularly over his eyes, and in various parts of the body; great weakness in the lumbar region; pains and heat in discharging his urine,

involuntariâ penis erectione, cum seminis plerumque emissionem, tam die, quam nocte, sæpe tentatus fuit; frequent diarrhœas, composed of mucous evacuations; with retchings, and loathing of food of the most delicate kind, and furred tongue; dry and constricted state of the skin; sometimes cold clammy perspiration; and many other deplorable symptoms, strongly indicative of the rapid approach of *Tabes dorsalis*. From these appearances, I was led to inquire what means had been employed before his application to me. I found he had originally been under the care of some irregular practitioner, who had incautiously administered mercury, to eradicate that baneful malady which is often the consequence of juvenile indiscretion, without enjoining the strictest attention to regimen, diet, &c., and, consequently, laid the foundation for those symptoms of Hypochondriasis I have already enumerated. Keeping in view the primary cause of disease, and wishing to ameliorate the urgency of the symptoms, I prescribed for him small doses of calomel and opium, with an almond emulsion.

A continuance of these medicines, for some

days, relieved the diarrhœa, nausea, and pains in passing water, and his nervous system became considerably tranquillized; which then allowed me to prescribe the alterative plan as in the other case, with a few modifications.

The alvine secretions were now evidently improving, and most of the other symptoms; but the painful priapisms continuing, I ordered to the boluses half a grain of opium, and directed him the *decoctum sarsaparilla compositum* as a common drink; by which, in a short time, his general health became greatly amended, inso-much that he was soon able to take moderate exercise on horseback. The benefits he derived from the plan that had been recommended, and which he most strictly adhered to, were strikingly manifested. The remedies seemed to subvert the diseased actions; the tongue became clean, and the evacuations natural; and, by the occasional use of mild deobstruents, with stomachics, his appetite and spirits returned, and he no longer complained of any uneasiness in his head: in short, after these healthy indications had made their appearance, in the course of a

fortnight he was enabled to walk, and, at the end of a few months, his health was completely reinstated.

CASE VI.

DURING the particularly mild winter of 1818-19, when our atmosphere was continually oppressed with dense fogs, all those subject to Hypochondriasis were greatly affected, and many sunk under the powerful influence which such a condition of the air has over the animal spirits. In that season I had the opportunity of seeing this prevalent malady in all its manifold stages and most formidable appearances. It was then I gained, as I considered, the many important hints concerning the origin, management, and permanent cure of this malady, which have induced me to promulgate my sentiments and observations on it.

In the month of November, among the various

cases which came under my immediate inspection, some similar to those already mentioned, others with its more ordinary characteristics, I attended one so singular in its appearance that I cannot omit inserting it here. A young lady, aged 23, of a morose and peevish disposition, had for several years been*subject to slight convulsive twitchings of the muscles, which each succeeding year grew stronger till the time I was requested to see her, when they had increased, with the pain attendant on them, to an alarming height. The contractions of the muscles seemed nearly allied to *tetanus*, and in the face depicted most excruciating torment; these continued for five minutes, after which she fainted. Three or four times a day had she to anticipate a renewal of this dreadful paroxysm, and was warned of its approach by a violent trembling, hiccough, numbness and rigidity of the limbs, with great prostration of strength, involuntary discharges of colourless urine, frequent deep sighing, most afflicting depression of spirits, and the greatest impatience of control or advice: in some intervals of the paroxysms she was cheerful, and

sometimes jocose, whilst, in others, she relapsed into her natural low-spirited and sullen manner. I observed the pulse to be eighty, and the period of the menses (which were regular and healthy in their appearance) to have no sensible effect on the convulsions; the alvine secretions were evidently faulty, and the digestive organs much impaired. She told me that within the last month her sense of taste had gradually lost its subtle powers of distinguishing the several kinds of food. This last is a symptom I have frequently observed in visceral obstruction; and on which I had no doubt her present disease depended. But my attention was first directed to the violent spasms; so I ordered her to take, every four hours, a bolus composed of six grains of musk with half a grain of opium, and to drink freely of the common musk julep. These had the desired effect, in a few days, of prolonging the intervals, and lessening the violence of the convulsions. I then prescribed an emetic, which cleared the stomach of a quantity of green fluid: but after taking it, until the operation was over, the convulsions were more frequent and power-

ful; indeed, the nervous irritability was so easily excited, that the slightest noise immediately produced a recurrence of the paroxysms; but when the stomach had been completely freed of its noxious contents they were much abated; she then gained more refreshing sleep than she had enjoyed for some time. Next day, with a continuance of the antispasmodics, increasing the dose of opium, after well cleansing the *prima via*, I put her upon a course of deobstruent medicines, which had a great work to effect: for, by the length of time these symptoms had been coming on, all the abdominal viscera were become sluggish in performing their office, and a short period longer must inevitably have destroyed their functions altogether. The first week or two of employing the latter remedies they seemed to be inert; yet the progress of disease was sensibly arrested, which, of course, was a great encouragement to continue in a regular administration of them, gradually augmenting their dose,—and then the scale was turned, though the amendment was almost imperceptible; but, in the space of a month or two the return

of health was obvious, every pain and anxiety disappeared, and nothing unpleasant remained, but those propensities to churlishness with which nature had endowed her.

CASE VIII.

Mr. F., aged 35, had been afflicted, for two years nearly, with great depression of spirits, lassitude, and debility; violent palpitations of the heart and tremors, so much so that he could scarcely feed himself; his appetite was extremely varying; sometimes quite deficient, and, at others, almost incapable of satisfying himself: he appeared to be gradually approaching to a state of exhaustion; his pulse was languid and laborious; his evacuations were clay-coloured and costive; his bowels often locked up for two or three days; his urine was pale-coloured and copious; frequent nausea, and vomiting of a dark-coloured fluid; his profession was sedentary,

and, being an excellent singer, he was often led into society, and induced to keep irregular hours: this had been the stepping-stone to all his sufferings; however, when he removed into the country, and placed himself under my care, I employed the remedies that have been here so frequently mentioned, and, in two months, he felt much relieved; the symptoms gradually yielded to mild and occasionally active remedies: his profession being in the law, of course, now and then predisposes him to frequent relapses, but these have always disappeared on recourse to the former remedies.

CASE IX.

A CLERGYMAN, aged 33, had been for some months suffering from pains in the head, giddiness, and great depression of spirits, which had been attributed to a severe domestic calamity he had sustained. He appeared emaciated, melan-

choly, and diseased; sinking sensation at his stomach; appetite defective, with occasional cold perspirations; white furred state of tongue, restless nights, and all the formidable and distressing symptoms of Hypochondriasis. His disease had resisted the treatment prescribed by some eminent medical practitioners in London, and he was recommended to resort to country air, when I was requested to see him. I immediately adopted the elements of that system to which I have so frequently adverted, and ascertained that the discharges from his bowels were costive and knotty, sometimes yeasty and liquid; his urine limpid and frequent. However, mild doses of pil. hydrarg., with purgatives of senna and manna, soon relieved the urgent symptoms, and these, of course, were also much assisted by change of air and scene, and entering into more active habits and pursuits. The pains in his head were alleviated. Time, the great soother of all mental afflictions, contributed much to his relief, conjoined with those remedies which allay nervous irritability by their influence over the functions of digestion; and in two months he

was enabled to take a tour which I suggested, and shortly after resumed his duties as usual, notwithstanding his repeatedly expressed fears and apprehensions to the contrary.

This case was another manifest indication of the sympathy existing between mind and body: the system had been for some months previously undergoing a morbid change, the calamity that befel the invalid proving the exciting cause, and greatly augmenting all the symptoms.

CASE X.

A YOUNG Lady had been for two or three years subject to fits of melancholy, and although naturally of a cheerful and active disposition, she became peevish and morose. Her periodical evacuations had been hitherto regular; her bowels were costive, and scarcely ever relieved but by medicine. Her appetite irregular; sometimes craving for food, at others disgusted at the

sight of it. Pains in the region of the stomach, and tenderness on pressure. Breathing short and difficult on taking moderate exercise; fits of coughing and flatulence; great prostration of strength, with all the usual concomitant symptoms of Hypochondriasis. She had, previous to my seeing her, been frequently purged, and leeches had been applied to the region of the stomach. Change of air, with warm and cold sea-bathing, had been tried; tonics of various kinds had also been prescribed, in order to rouse the nervous energy, but in vain—the disease appeared to resist every approved remedy. On my visiting her she appeared much emaciated, and her symptoms presented a most formidable character, for I could but refer her condition to disorganization of some important viscera; I therefore proceeded with great caution, only ordering gentle laxatives. The secretions appeared defective and morbid. I now directed the utmost attention to her diet, the quantity to consist of twelve ounces of light animal and farinaceous food, in equal parts daily, and to be divided into three portions, of four ounces, to be

taken at intervals of six hours; and her drink milk or barley-water. I also prescribed, after a few days, the pil. hydrarg. cum rhei, with doses of manna, inf. sennæ, and tinct. cardam., and her body to be freed from the tight lacing I had detected. Weeks passed on; the evacuations still retaining their slimy, mucous, and clay-coloured character; but occasional slight appearances of bile afforded me a glimmer of hope. The bowels became less costive, and the stomach less irritable; the other symptoms also assuming a more favourable aspect. At this stage of the disease I ventured upon the administration of light tonics, in combination with my other remedies, and I had the gratification, after several months of great perseverance and rigid attention on the part of my patient, to witness her gradual restoration to health.

This case manifests a most important fact, one on which every medical writer and practitioner is imperatively required to express his sentiments, viz., the injurious tendency of tight lacing; for I feel bound to state my opinion, that the majority of female diseases are attri-

butable to that absurd and destructive habit; and I may venture to assert that this is only an echo of the opinions of the most enlightened medical men in this and other countries. What will my fair countrywomen think when they are informed that 39,000 females in this country have perished by consumption within the last year? * I trust I may be pardoned for digressing, but here I feel bound to point out the evil consequences of compressing the chest and body to the present fashionable extent. The pressure on the chest prevents the due circulation of blood through the air-cells of the lungs; the blood is thereby deprived of its oxygen, or vital principle, and tubercles consequently form. On the liver and organs of digestion pressure impairs their functions; the body becomes attenuated, and disease and death are the lamentable results. The foregoing case was one of the character I have described; the secret and primary cause (in her habit singularly predisposed to pulmonary disease, or other scrofulous diseases) originated

* See Registrar-General's Report, 1839.

in tight lacing, and had not this been timely discovered and discontinued, the evil would have bid defiance to every remedy that the utmost attention or the most scientific imagination could have suggested.

CASE XI.

MR. C., aged 50, was, about 12 months previously to his consulting me, attacked with violent pains across the chest, particularly in the region of the heart, great difficulty of breathing on ascending a hill, and on meeting the wind. A medical practitioner, in the neighbourhood, was called in, who, very properly, bled him, and administered purgatives with the usual antiphlogistic remedies, which were attended with great benefit, and the urgent symptoms were much alleviated. About two months after, I was requested to visit him, when I found he complained

of pains in the chest, particularly in going to bed, or using the slightest exertion; indeed, he was given to understand his case was one of Angina Pectoris, as his pulse varied and intermitted once in 25 pulsations, sometimes oftener, full and hard; the evacuations were clay-coloured: his tongue coated with a white tenacious fur; a dry and constricted state of the skin: with these symptoms, I did not for a moment hesitate on the plan to be adopted, although, from the general character of the case, I could not decide whether there was disease of the heart, or whether the symptoms were induced by derangement of the digestive organs; but conceiving that, under all circumstances, such a method would afford relief, I persevered in it for some time with decided and ultimate benefit; the result proved that his disease was to be attributed to the impaired functions of the digestive organs.

CASE XII.

A GENTLEMAN, aged 66, had been for several years suffering from what he termed his occasional low attacks, which had resisted all the remedies that his ample fortune enabled him to have recourse to; but his constitution becoming more enfeebled, and the paroxysms of despondency recurring more frequently, he was induced to consult me. He stated that, at the age of 40, he had sustained a severe bereavement; had neglected his accustomed exercise, even abandoned his favourite pursuits of shooting and hunting; became melancholic, irritable, and the society that formerly delighted him to mix in became irksome and disgusting. This alarming attack of Hypochondriasis continued for several months, but ultimately he was induced to take a tour on the Continent, and returned after a lapse of a year, much benefited. From that time paroxysms of low spirits occurred at intervals

of about two or three months, and to such an extent that his family constantly watched him. These had continued for more than 20 years, but with little relief. His case was truly distressing. When he applied to me, his countenance was pallid, his eyes were sunk, and the white tinged with yellow; his bowels were costive, his tongue thickly coated, pulse feeble and quick, his skin dry and horny, his urine scanty and high coloured; loss of appetite; his nights were sleepless, and accompanied with great apprehensions and fear of death; indeed, all the horrors of coffins and tombs were vividly depicted before his imagination, and in the mornings he appeared dejected, irritable, and inactive. He stated that he was tired of medicine, and thought some suggestions might be made as to his diet and regimen, for which purpose he felt anxious to see me. I prevailed upon him to take a dose of calomel at night, and some infusion of senna the following morning, and the result proved that the secretions were all defective; but feeling the next day much relieved, he paid me another visit, when I directed him to adopt the mild alterative system,

with strict attention to his diet and exercise, occasionally changing the seat of his residence, resuming his horse exercise, and injecting a pint of cold water up the rectum every morning on rising from his bed. The adoption of this plan, happily, in two or three months improved his spirits; his bowels had been constantly evacuated, and although the liver continued torpid, yet the usual low paroxysms had passed away; hope beamed upon his countenance.

Ten months have now gone by; every symptom is improved. He perseveres rigidly in the treatment prescribed for him; he has experienced only a slight recurrence of the low paroxysms; in fact, his life is now become desirable. His gloomy apprehensions have vanished; and, with occasional purgative doses, he may fairly be reported as convalescent. This case has been one of the most gratifying; for, suspecting, as I did, that some organic disease of the liver or brain existed, yet I felt desirous of putting to the test the remedial influence of mild purgatives. It strongly manifested what benefits may be conferred by removing all crudities in the alimentary

canal, regulating the diet and regimen, and so following up the old adage of "Eating to live, and not living to eat."

CASE XIII.

A GENTLEMAN from Kent, aged 40, consulted me early in the spring of last year. He informed me that he had been suffering from nervous head-aches, loss of appetite, indigestion, and low spirits, for several years; that what had formerly imparted pleasure and gratification, now became irksome and distressing to him. His profession being in the law, and a man of extensive practice, it appeared to me that the mind had been too much excited, and the body too much neglected. An abscess had formed in the axilla, and the glands of the neck and tonsils were swollen; palpitations of the heart, and great pain in the region of the stomach; fatigue on the slightest exertion, and a desire to remain in an inactive

state. His bowels had been in a most uncertain condition, sometimes relaxed, at others constipated, knotty, dark, and slimy, occasionally tinged with blood; pains in the rectum, with hæmorrhoids or piles; irritation of the bladder, with urine high-coloured, and sediment resembling brick-dust. He had lived freely, and, from a sinking sensation which he constantly experienced, had frequent recourse to stimulants, which, of course, only tended to aggravate all the ills he endured. I need scarcely add, that he adopted the mode of treatment I have so frequently alluded to. The remedies were never more successful. His spirits and appetite returned; and he persevered unremittingly for a few months, and reaped all the advantages that either the patient or physician could desire.

CASE XIV.

THE Son of a Nobleman from Ireland applied to me last summer. He had been suffering for several years with low spirits and indigestion. His appetite had forsaken him, he had become weak and emaciated, and the favourite pursuits he had formerly indulged in, of fishing, shooting, and hunting, were now become irksome, and abandoned. He had unsuccessfully applied to some members of the medical profession, and when he first appeared to me, was in a most pitiable state; his eyes were hollow; his countenance pallid; depression of spirits; his skin yellow, flabby, and dry; pains in his head, and throbbing at the temples; oppression in his breathing; palpitations, and sense of tightness of the heart and præcordia; general lassitude and debility. He had suffered much from eruptions about the face and mouth, glandular swellings in the neck and groin, terminating in small

abscesses; and I believe a more striking instance of a disordered constitution, or of the miserable effects of disease upon a fine young man, could scarcely be imagined. I first impressed upon his mind the important advantages of abstaining from fermented liquors (a deplorable system which he had previously indulged in), a rigid attention to diet and gentle exercise (so soon as he was capable), and the steady perseverance in that mild and alterative plan, to which I have so often alluded. Month after month passed away, with increasing benefit; his constitution, aided by the remedies, gradually overcame the disease; he became full of confidence in the means suggested, and finally carried them out to the happiest consummation; and, I believe, is at this moment enjoying all the allurements of his high station and fortune.

The foregoing Cases, which I have selected from many, bearing great similitude to one another, will, I think, be deemed sufficiently

illustrative of the remedies to be employed under the varied appearances of this disease. The divers changes which it assumes, I have endeavoured (as far as the nature of the present Work will admit) faithfully to portray; but I conceive it would be entering into too prolix a detail to enumerate the numerous cases that have of late come under my care. In adverting to the mode of treatment considered generally, I feel certain that it will be fully confirmed by practical prosecution.

ON perusal of these Cases, it may be observed by many that females are never subject to Hypochondriasis; that disease being always confined to the other sex. And it has been remarked by a late author, that “the operations of the animal powers seem to be most perverted and disturbed in women; but in men, the mind is the subject of attack.” The inferences I have been enabled to draw, from minute and long investigation of this disease, are, that there are many exceptions

to this general declaration. Can it be denied that a nervous predisposition may exist in both sexes, independent of any other morbid influence, and that the same causes may excite the same degree of affection in both? or is the mind or sentient principle so materially different in the male and female? The prevalence of Hysteria would, perhaps, induce a belief, as that disease is peculiar to the female, and creates so much disturbance in their mental faculties, that it precludes the possibility of Hypochondriasis affecting them: yet, upon tracing the source of Hysteria, we shall find that it is not always occasioned by uterine affection; whereas, Hypochondriasis may be referred to derangement of the digestive organs, occasioned by various exciting causes, in habits singularly predisposed, and therefore not dependent, as Hysteria is, on an organ peculiar to the sex. Indeed, many instances might be advanced, where the periodical evacuations of that viscus have been perfectly healthy and regular, and yet those females have been exceedingly irritable and hypochondriacal. I am willing to believe that Hypochondriasis is more prevalent

in men; but, as far as my judgment will enable me to decide, I cannot coincide in that opinion which entirely ascribes it to males, having seen many cases where the other sex has been affected with it to as great a degree.

“Thus, when we consider the unnatural and artificial state of our domestic institutions, and those habits of confinement which so much prevail in female life, we cannot but recommend exercise in the open air as of the utmost importance. The inhalation of more pure air than that of a dwelling is most valuable in all stages of existence; and the various climates and habits of the world furnish striking instances of the strength and stamina of women, in proportion to their observance of those salutary means. In dwelling upon the advantages of air and exercise, and the physical debility resulting from the neglect of them, I would now allude to the importance of diet in regulating the powers of the nervous system; for it must be admitted that diet has a peculiar and varied tendency according to its character, and more particularly influences females who belong to the higher ranks of society,

and partake freely of the fare which is common to them. The good effects of temperate diet, accompanied by exercise, on the circulating system must be obvious, as well as their powerful influence upon the mind in regulating those emotions which so frequently are attendant upon females in active life; a degree of waspishness, sullenness, and all the contortions of the female mind are witnessed, and may be frequently traced to improper food; for we know its relative effects are not entirely confined to the digestive organs, but its power extends over the functions of the brain."*

Having taken this general view of the peculiar characteristics of Hypochondriasis, I shall conclude the subject with a few remarks on the influence of the stomach, not only in the animal economy, but in the management of this disease, as well as of Hysteria. Hysteria has, by the ancient physicians, and most of the modern, been entirely ascribed to uterine disease; yet in many who have long and greatly suffered by this malady, the womb has frequently after death been

* Rowe on Disorders of Women, p. 40.

observed to be sound.* Indeed, whether these two diseases, viz. Hypochondriasis or Hysteria, be considered distinct, or the same (for the symptoms in both much resemble each other), it must be admitted that as these and all great nervous disorders proceed from some glandular obstruction in the stomach, liver, or alimentary canal, the removal of those obstructions and the general management of diet, regimen, &c., must be considered as forming the important basis of all remedial measures; and experience has proved that this uniform treatment of those frequently twin diseases has been eminently successful. The stomach not only effects the grand purposes of digestion, but, by its healthy or unhealthy action, invigorates or debilitates the whole system.† When we consider the present fashionable modes of indulgence, in taking a contrariety of substances into the stomach, and the great addiction to fermented liquors, it cannot be matter of sur-

* Whytt on Nervous Disorders, p. 106.

† "The quantity of food generally taken is more than the wants of the system require; and such excess, if persevered in, generally produces not only functional aberration, but disease of the coats of the stomach."—*Dr. Beaumont's Result of Experiments.*

prise that this organ so frequently becomes the seat of disease. The morbid affections of the nerves of the stomach, by sympathy, impair the energy and impede the motion of the heart and arteries; chyfication is imperfectly performed; and the operations necessary for repairing the waste, which different parts of the body daily undergo, become either too languidly applied, or inefficient in their properties.

“The powerful sympathy between the brain and the stomach is well known, and proves the effect that diet has over the sensations. It is evident that certain aliments have different influences upon the animal feelings, that the stomach often regulates the organ of thought, that a full diet will generally diminish the activity of the brain, and render our ideas confused and unintelligible; and it has been remarked, that the system of diet alters the character and dispositions of people, and even of nations. But no universal plan can be adopted; inhabitants of the northern regions requiring more food than those of the southern. The school of Pythagoras flourished in the mild climate of Greece, and the anchorets who, in

the beginning of the Christian religion, peopled the solitudes of Thebais, could not have endured in a severer climate, the system which they observed." *

These morbid affections of the nerves are considerably increased by the want of refreshing sleep, and the melancholy and low spirits, which are the inseparable companions and grand criteria of this disease; and which, thereby contribute most essentially to prevent the proper nutrition of the body. In detailing these pathological inquiries into the state of the stomach, I cannot too strongly recommend the adoption of early remedies, with that old adage, "*Venienti occurrere morbo;*" for when this disease has continued long, and reduced the patient much, tubercles form in the chylopoetic viscera, the natural consequence of obstruction; a dry cough comes on with all the symptoms of hectic fever, which, in conjunction with the original disease, accelerate the decay, and death at length closes the tragic scene.

* Rowe on Disorders of Women, p. 42.

CHAPTER II.

Indigestion.

UPON considering this morbid affection of the stomach (indigestion), it is first necessary to refer to the best and most rational views entertained of the mode in which food is assimilated into nutriment for the supply of the system.

The process of digestion, and the time it occupies, have been the subjects of much discussion. Some physiologists have affirmed that it requires a period of five, and others of three and a half, hours;* but the peculiarity of habit, the kind of food, whether fish, flesh, farinaceous or vegetable—whether in a fluid or solid state—are all matters of important consideration, and calculated to influence, in the highest degree, the action of the stomach. As an axiom in physiology, it must be admitted that too frequent

* Dr. Beaumont's Inferences.

eating or drinking not only materially interferes with the functions of the stomach, but impairs its power of secretion and contractility.

We ought never to lose sight of, but rather be mainly guided by, these physiological facts, in our efforts to remedy the distressing evils of indigestion.

It is universally admitted that digestion is effected by the action of the gastric juice in the stomach; the present habit, therefore, of taking large quantities of liquids during that process must be very injurious; for, surely, the introduction of any fluid into the stomach at that period dilutes and weakens its digestive power.

Dr. Combe states, "The more we consider the real complication of the function of digestion; the extensive influence which it exercises, at every period of life, over the whole of the bodily organization; the degree to which its morbid derangements undermine health, happiness, and social usefulness, and especially the share they have in the production of scrofulous and consumptive, as well as of nervous and mental affections, we shall become more and more con-

vinced of the deep practical interest which attaches to a minute acquaintance with the laws by which it is regulated."

When digestion is imperfectly performed,* eructations of wind take place, and a sense of weight and fulness is felt in the region of the stomach; flesh meats become alkalescent, oily or fatty substances become rancid, and milk, bread, or most of the vegetable kind become acid; and, indeed, every substance conveyed into the stomach is thrown into a state of fermentation.†

Indigestion is frequently a secondary and sympathetic affection, and, in this case should be relieved only by attention to the primary and

* "When the gastric juice becomes saturated, it refuses to dissolve more; and if an excess of food have been taken, the residue remains in the stomach or passes into the bowels in a crude state, and frequently becomes a source of nervous irritation, pain, and disease for a long time, or until the '*vis medicatrix naturæ*' restores the vessels of this viscus to their natural and healthy actions, either with or without the aid of medicine."—*Result of Dr. Beaumont's Experiments*, p. 77.

† Stomachum autem infirmum indicant pallor, macies, præcordium dolor, nausea et nolentium vomitus, in jejuno dolor capitis.—*Celsus*, lib. i., cap. 8.

remote causes; but the idiopathic disease usually arises in persons from the age of twenty-five to forty, whose habits of life have been either intemperate, sedentary, or inactive, and whose nervous temperament is either irritable or phlegmatic.

Indigestion sometimes comes on suddenly, but it more generally exercises its baneful influence on the human frame by progressive steps; and frequently continues to increase, with little remission, until the deplorable state of the patient's health renders some means of remedy imperatively necessary.

The immoderate use of opium, tobacco, and other powerful narcotics; the prevalent indulgence in taking vinous and ardent spirituous liquors to excess; the immoderate repletion, and frequent over-distension of the stomach,* at irregular intervals;—(*“Plures crapula quam gladius,”* is a true saying;)—the want of air

* Violent and repeated vomitings also debilitate the muscular fibres of the stomach; but of the causes which immediately affect them, the most frequent and powerful is morbid distension.—*Dr. Wilson Philip*, p. 74.

and exercise; the exposure to cold moist air, when in a state of inactivity; a deficient or vitiated secretion from the liver, pancreas, &c. attended with costive evacuations; intense study, grief, or other violent affections of the mind,* which often accompany these morbid derangements; tea, coffee, or other diluent liquors,† which have a tendency to relax the action of its muscular fibres; may all be considered as the leading causes of the imbecility and loss of power, which prevent the stomach from performing its most essential function, viz. the assimilation of food.

This disease materially differs from Hypochondriasis, although usually accompanied by many

* *Homines sunt maxime melancholici quando vigiliis multis et sollicitudinibus et laboribus et curis fuerint circumventi.*—*Galen*, lib. i. c. 3, *De Locis Affectis*.

† When fluids are taken into the dyspeptic stomach during the digestive processes, they are apt to be retained; and after giving occasion to flatulent distension, and to many other annoying symptoms, they are tardily taken into the system and thrown on the kidneys loaded to excess with unassimilated matter, or they sometimes escape by the bowels, or are ejected by vomiting. Hence, as a general rule, the impropriety of drinking too much at a meal.—*Dr. Prout on Stomach and Urinary Diseases*, Book 1, p. 9.

of its symptoms. While the latter frequently proceeds from want of tone of the nervous or muscular coat of the stomach, arising from functional derangement of the brain, Dyspepsia generally originates from weakness and imperfect secretion; and, in the suggestion of remedies, this distinction ought invariably to be kept in view.

Where digestion is imperfect, the body will necessarily become emaciated and much debilitated, extreme nervous irritability will ensue, and latent constitutional diseases will be continually called into existence.

Innumerable instances might be adduced to prove that scrofula, gout, and even cancer, have been lying dormant in the system for many years; and when this most important function became deranged (which the late Mr. Abernethy emphatically denominated a "disorder of health"), the whole train of these formidable diseases has been called into action, and as gradually tranquillized by every improvement made in the functions of the stomach, liver, and alimentary canal.

"I have seen in succession enlargements of

absorbent glands, boils, rheumatic affections of joints, and dysury; yet all local diseases have ceased as the health became re-established by attention to correct the disordered functions of the digestive organs."*

If Mr. Abernethy had conferred no other benefit on mankind than his earnest appeal to the Profession, in representing the integrity of disease in local and constitutional symptoms, and causes, his admirable observations on these subjects alone would have conferred unfading honours upon him. It emanated from that great master-mind to point out the absurdity of attributing local diseases to local causes, and to direct the more scientific and more effective treatment of them to the purification of the fountain, rather than the cleansing of the channels.

When there is a scirrhus obstruction in the coats of the stomach, near the pylorus, (as is not unfrequently the case,) this passage becomes so much straitened, that only the thinner part of the nutriment can pass into the duodenum, while the more solid parts, continuing in a crude state,

* Abernethy, p. 239.

from the imperfect action of the gastric juice on them, remain in the stomach for many hours, and produce heart-burn, nausea, and, at last, vomiting, by which the patients find themselves comparatively relieved.

Another cause of indigestion may arise from a compression of blood on the vessels of the brain, and it has been frequently remarked, that plethoric subjects, and those predisposed to apoplexy, are more or less affected with symptoms of indigestion. This is a manifest indication of that sympathetic connexion between the stomach and brain, and the great influence the actions of the one possess over the condition of the other.

Again, the stomach being irritated by a revulsion of bile, and that acrimony which is produced by too great a quantity, or an improper state of the food conveyed into it, reverts the motion of its own fibres, and produces the nausea and vomiting which so frequently occur. These symptoms are among the most ordinary, and they sufficiently demonstrate the imperfect and vitiated secretion of the organs of digestion.

Many persons whose occupations in life, par-

ticularly in large cities, compel them to be sedentary, and afford them few opportunities of taking air and exercise, are susceptible of every variation of the thermometer. The circulation becomes languid; they have recourse to warmer clothing, and consequently the state of, and uniform connexion between the skin, lungs, bowels, kidneys, &c. are destroyed; the appetite is defective, the body emaciated, and the important evacuations from the bowels are less frequent and costive; patients become irritable and dejected; a sinking sensation of the stomach is now experienced, and relief is sought for in stimulants. Thus disease is engendered and perpetuated; and ultimate consumption, or organic disease of some important viscus, destroys the patient.

Aliments, when driven through the pylorus, by their disunion with influent bile and pancreatic liquor, produce that species of disease which is usually termed bilious; and the peristaltic action of the bowels causes a regurgitation of them, which occasions the overflow of bile in the stomach, frequently witnessed on the administration of emetics.

The mistaken notion of the predominance of bile, in many habits, induces invalids to have recourse to those remedies that are deemed antibilious, when the case is quite the reverse, for the malady is generally occasioned by a deficiency of bile: and even that which is secreted is of a morbid nature; therefore, any curative system so founded must prove highly destructive to the due and healthy action of the liver and other organs of digestion.

Now, as strength and vigour seem to be constituted by the regular and perfect assimilation of food in the formation of blood, and this state can only be effected by the healthy functions of the digestive organs, it must be evident that indigestion and many other diseases are owing to their derangement.

The temporary relief which the stomach receives on the admission of stimulants, proves its want of energy in the process of digestion, and denotes it to be subject to a disorder of function, and not of structure,—for an organic affection of the stomach would render it incapable of per-

forming its office, whilst a derangement would only suspend it. Therefore, the powerful effects of vinous or ardent spirits must be considered as producing in a great measure the languor and want of excitement which usually accompany indigestion, and are the consequence of extreme action in any organ of the body. This opinion will be fully verified by that excessive debility, and loss of muscular power, which are observed subsequent to any violent febrile affection.

In those persons, however, who have impaired the powers of digestion by excessive drinking, it would not be beneficial to abstain all at once from this baneful habit; but gradually to diminish the quantity of stimuli, to avoid all vegetable and acid food, and to substitute animal and farinaceous matter, will be more likely to restore the digestive functions to a healthful state.

Dr. Wilson Philip observes, that the most common cause of indigestion is eating too fast; and Dr. Beaumont has also proved, by his experiment upon St. Martin, that it is important for the preservation of health that this process

should be effected slowly. If food be swallowed rapidly, more will generally be taken into the stomach before the sensation of hunger is allayed, than can be digested with ease; and Dr. Combe, in his admirable remarks on this process, states, "This gradual admission of food into the stomach seems to be in relation with the gradual supply of gastric juice necessary for the solution of each portion; and it explains why, at a social dinner, where we eat slowly, and with short intervals of conversation, we are able to consume a larger quantity, and digest it more easily, than when we sit down alone, and eat hurriedly and without interruption. In the one case the stomach has time to adapt its capacity and its gastric secretion to the quantity taken in, while in the other it can do neither."

It must generally be admitted, that animal food, which is not over-cooked, is more nutritious than that which is either raw or overdone; for many experiments have proved that moderately dressed meat will be more readily digested by the gastric juice; the boiling or roasting makes it more tender, allowing a readier ingress of the

digestive fluid, thereby its dissolution is more perfectly accomplished in the stomach.*

The atmospheric vicissitudes of the English climate have a great tendency to aggravate this disease; as the appetite becomes deficient in hot weather, and returns on the transition to cold. This is to be accounted for: as the secretions of the skin are excited by the determination of blood to the surface of the body, so are the operations of digestion retarded by being deprived of that volume of blood which is essentially necessary to the performance of their functions. This fact, and its theory, have since been illustrated more fully by the admirable remarks of Professor Liebig. He observes, "The cooling of the body, by whatever cause it may be produced, increases the amount of food necessary. The mere exposure to the open air in a carriage, or on the deck of a ship, by increasing radiation and vaporization, increases the loss of heat, and compels us to eat more than usual."†

The changes of the wind are known to exert a

* It appears, from my experiments, that boiled and roasted, and even putrid meat, is easier of digestion than raw.—*John Hunter on the Animal Economy*, p. 220.

† *Animal Chemistry*, p. 21.

most powerful influence over the human frame, more particularly in invalids; and, doubtless, there is some striking peculiarity in an easterly wind, which impedes the natural and healthy functions; and this observation has been frequently made: “In a thick and cloudy air men are tetrick, sad, and pcevish (*aurâ densâ ac caliginosâ, tetrici homines existunt, et subtristes, &c.*); and if the western winds blow, or there be a calm, or fair sunshine day, there is a kind of alacrity in men’s minds,—it cheers up men and beasts; but if it be turbulent, rough, cloudy, stormy weather, men are sad, lumpish, and much dejected; angry, waspish, dull, and melancholy.”* The immortal Shakspeare was not ignorant of these singular effects, when he reasons thus on life:

A breath thou art,
 Servile to all the skiey influences
 That do this habitation, where thou keep’st,
 Hourly afflict.

* Burton’s Anatomy of Melancholy, Part I. Sect. 2.

Verùm, ubi tempestas et cœli mobilis humor
 Mutavere vias: et Jupiter uvidus Austris
 Densat, erant quæ rara modò; et, quæ densa, relaxat:
 Vertuntur species animorum, et pectora motus
 Nunc alios, alios, dum nubila ventus agebat,
 Concipiunt:— VIRG. GEOR. lib. 1, l. 417.

If, then, these aërial changes are wrought on the nervous system of healthy subjects, to how great a degree must they tend in adding to the disturbance of those organs which are rendered more susceptible by nervous irritability or organic disease? Under such circumstances, patients will act prudently in removing to a climate more congenial to their feelings, and more adapted to the nature of their constitutions.

The nature of that climate will form an important point to decide upon; for in those constitutions where indigestion has been making its ravages by inducing pulmonary disease, a southern region must be preferred, as the amount of inspired oxygen will be much diminished, and the food will be capable of resisting the oxydising agency of the atmosphere. The equilibrium so desirable will therefore be maintained, as no more oxygen will be introduced into the system than can be counterbalanced by the carbon and hydrogen eliminated from the food.

On the other hand, where indigestion has been promoted from long residence in hot climates, or the frequent concomitant of that disorder,

obstructed liver, a colder climate will be most beneficial, as the excess of carbon will be counterbalanced; and the result is obvious, an improvement in health.*

The principal and most powerful causes of indigestion, and all those distressing maladies resulting from it, are the present fashionable modes of intemperance, and the almost total negligence of taking air and exercise. *Homini cibus utilissimus simplex; acervatio ciborum pestifera et condimenta perniciosa: multos morbos multa fercula ferunt.*† When the prevailing revolutions of the day to night, and the night to day, are considered, independent of the great indulgence in luxurious habits of living, and the sudden transitions from a temperature equal to that of a tropical climate, to one under the frigid zone,—by rushing from a crowded theatre or ball-room into a dense or frosty atmosphere,—it is but reasonable to conclude, that those organs

* The quantity of food is regulated by the number of respirations, by the temperature of the air, and by the amount of heat given off to the surrounding medium.—*Liebig's Animal Chemistry*, p. 22.

† Pliny, lib. 11, c. 52.

whose healthy actions are so dependent on the regularity and temperament of the body, must ultimately become the objects of attack. Hence we daily witness the robust appearance of the labouring peasantry, compared with the pallid hue of the artist or mechanic, who is shut up in a heated room, frequently respiring the same air which has passed through his lungs: the one will be seen enjoying his meals with the greatest avidity, while the other's appetite becomes vitiated, and he loathes the sight of food.

In enjoining rules or modes of temperance and exercise, in the acquisition and preservation of health, I cannot but quote the following beautiful lines in the *Spectator*:—

“If exercise throws off all superfluities, temperance prevents them; if exercise clears the vessels, temperance neither satiates nor overstrains them; if exercise raises proper ferments in the humours and promotes the circulation of the blood, temperance gives nature her full play, and enables her to exercise herself in all her force and vigour; if exercise dissipates a growing distemper, temperance starves it.

“Accordingly we find that those parts of the world are most healthy where they subsist by the chase; and that men lived longest when their lives were employed in hunting, and when they had little food besides what they caught. What would that philosopher Diogenes have said, had he been present at a modern meal? Would not he have thought the master of a family mad, and have begged his servants to tie down his hands, had he seen him devour fowl, fish, and flesh; swallow oil and vinegar; wines and spices; throw down salads of twenty different herbs; sauces of an hundred ingredients; confections and fruit of numberless sweets and flavours? What unnatural motions and counter-ferments must such a medley of intemperance produce in the body! For my part when I behold a fashionable table set out in all its magnificence, I fancy that I see gouts and dropsies, fevers and lethargies, with other innumerable distempers, lying in ambuscade among the dishes.

“Nature delights in the most plain and simple diet. Every animal but man keeps to one dish.

Herbs are the food of this species,—fish of that,—and flesh of a third. Man falls upon everything that comes in his way; not the smallest fruit and excrecence of the earth, scarce a berry or mushroom, can escape him.”

Having thus far considered many of the incipient causes of Indigestion, I shall proceed to the discussion of those symptoms which are among its most common indications. Indigestion is usually attended by vertigo, or giddiness in the head; dry skin; white furred state of the tongue;* pains and sense of fulness in the region of the stomach; cardialgia, or heart-burn; loss of appetite; nausea and vomiting; violent pains in the head, sometimes periodically; the aliment passing through the intestines in a crude and undigested state; shortness of and fætor of the breath. Sometimes it is attended with great thirst and want of sleep; at other times a degree of lethargy and drowsiness; frequent startings;

* “The state of the tongue is in general an infallible criterion of a disordered condition of the stomach.”—*Abernethy*, p. 22.

incubus, or nightmare; pulse frequent and feeble; palpitations of the heart;* cold perspirations; and great fatigue, on the least exertion. The mind is attended with great despondency and irritability. There is flatulence and itchings, pallid countenance, spots on the face and skin, great costiveness; at other times frequent discharges resembling yeast, and the loss of that gratification which is experienced in satisfying hunger: the patients eat their meals at stated intervals, in compliance more with custom than inclination. Another symptom I have frequently witnessed, in cases of Indigestion, which is an occasional cough and expectoration, with ultimate discharges of blood from the stomach, of a thick grumous character, and to an apparently alarming extent, succeeded by parched tongue and mouth, with acute febrile symptoms.

As to the prognosis of Indigestion, it may be considered to be generally alleviated, if not entirely cured, by discontinuing the causes, when

* "The actions of the heart seem to me also to become disordered from sympathy with the stomach."—*Abernethy*, p. 232.

they originate from hard drinking and other bad habits, (which have been already noticed in this chapter,) and also the timely aid of proper medicines. But in those who have ruined their constitutions by hard drinking, the disease not unfrequently produces jaundice, palsy, apoplexy, dropsy, diseases of the skin, glandular suppurations, imbecility of mind and body, with the most fatal results.

In adverting to the diet and regimen most beneficial, I beg to introduce the admirable remarks of Dr. Beaumont: "there is no subject of dietetic economy about which people err so much as that which relates to quantity. The medical profession, too, has been accessory to this error, in giving direction to dyspeptics, until a sense of satiety is felt. Now this feeling, so essential to be rightly understood, never supervenes until the invalid has eaten too much, if he have an appetite, which seldom fails him. Those even who are not otherwise predisposed to the complaint, frequently induce a diseased state of the digestive organs by too free indulgence of the appetite. Of this fact the medical profession are generally

not sufficiently aware. Those who lead sedentary lives, and whose circumstances will permit of what is called free living, are peculiarly obnoxious to these complaints. By paying particular attention to their sensations during the ingestion of their meals, these complaints may be avoided. There seems to be a sense of perfect intelligence conveyed to the encephalic centre, which, in health, invariably dictates what quantity of aliment (responding to the sense of hunger and its due satisfaction) is naturally required for the purposes of life, and which, if noticed and properly attended to, would prove the most salutary monitor of health, and effectual preventive of disease. It is not the sense of satiety, for this is beyond the point of healthful indulgence, and is nature's earliest indication of an abuse and overburden of her powers to replenish the system; it occurs immediately previous to this, and may be known by the pleasurable sensation of perfect satisfaction, ease, and quiescence of body and mind; it is when the stomach says 'enough;' and is distinguished from satiety by the difference of the sensation; the former feeling enough, the

latter too much. The first is produced by the timely reception into the stomach of proper aliment, in exact proportion to the requirements of nature, for the perfect digestion of which a definite quantity of gastric juice is furnished by the proper gastric apparatus; but, to effect this most agreeable of all sensations and conditions, (the real elysian satisfaction of the reasonable epicure,) timely attention must be paid to the preliminary processes, as thorough mastication and moderate or slow deglutition.

“These are indispensable to the due and natural supply of the stomach at the stated periods of alimentation; for if food be swallowed too fast, and pass into the stomach imperfectly masticated, too much is received in a short time, and in too imperfect a state of preparation to be disposed of by the gastric juice.

“The quantity of gastric juice, either contained in its proper vessels, or in a state of preparation in the circulating fluids, is believed to be in exact proportion to the proper quantity of aliment required for the due supply of the system. If a more than ordinary quantity of food be taken,

a part of it will remain undissolved in the stomach, and produce the usual unpleasant symptoms of indigestion ; but, if the ingestion of a large quantity be in proportion to the calls of nature, which sometimes happens after an unusual abstinence, it is probable that more than the usual supply of gastric juice is furnished; in which case the apparent excess is in exact ratio to the requirements of the economy, and never fails to produce a sense of quiescent gratification and healthful enjoyment. A great deal depends on habit in this respect. Our western Indians, who frequently undergo long abstinence from food, eat enormous quantities, when they can procure it, with impunity.”*

It will be deemed unnecessary that I should expatiate more on this subject, having so fully and I fear tediously, dwelt on the disadvantages accruing from intemperate indulgences; I shall merely add, that the age, constitution, and the ordinary avocations of patients, must be considered before any specific rules can be laid down either in the dietetic or medical treatment

* Beaumont's Observations, p. 63.

of this afflicting malady ; for I need hardly observe, that experience is the only monitor which can direct the proper arrangement, and, consequently, guide the sufferer to a speedy and effectual relief from the distressing effects of indigestion.

Cold bathing, and afterwards rubbing the body with flannel,* are remedies to be universally adopted, and eagerly persevered in, as highly calculated to restore the tone of the whole system.

Small doses of opium, administered as a cordial, I have seen productive of the greatest benefits;† but this requires great caution, or we shall be found to verify the old proverb,—

“Incidit in Scyllam qui vult vitare Charybdim.”—VIRGIL.

The resorting to approved watering-places is also among the most proper remedies, not only

* A gallant and distinguished officer in the British army, *Major-General Sir John Rolt*, K.C.B., has, in an excellent little work, introduced the use of horse-hair gloves, and certainly with great practical benefit.—*Rolt on Moral Command*.

† This opinion has since been confirmed by Dr. Wilson Philip, who, in his excellent *Treatise on Indigestion*, (p. 181,) states that, “To the head of remedies employed for temporary relief, belong small doses of opium. Large doses of this medi-

by the tendency the chalybeate springs may have in strengthening the system, but, at the same time, by the various pursuits they afford to the mind, the tranquillity of which must be regarded as among the most desirable objects in the treatment of this disease. I have remarked, in my *Essay on Female Disorders*:—"The advantages of travelling are obvious; many persons fancy they are never well, unless repeated changes of air and scene are followed up; and continental tours are projected, the German spas and baths are used, and the waters drank as possessing some divine agency in the removal of their diseases, and often imaginary ills. But what does all this prove? that if the same periods of time were occupied in wholesome exercise out of doors, there would be no need of quitting our native country; for I verily believe that more

cine have no place in the treatment of indigestion, except for the purpose of relieving severe pain; they tend to increase the other symptoms. Very small doses, however,—two or three minims of tincture of opium, for example,—repeated two or three times a day, often prove highly serviceable in allaying morbid irritation; and their constipating effect is generally easily counteracted. They sometimes, indeed, have very little of this effect."

benefit is derived from the examples of early rising, the stimulus to exertion resulting from a round of pleasurable and rational amusements, and the necessity induced of participating in them, than by the miraculous medical properties that have been ascribed to the various spas of the world."* Another and powerful auxiliary in the treatment of indigestion, is the mixing in cheerful society: "the flashes of merriment that were wont to set the table in a roar," excite in the mind pleasing emotions, and contribute much to digestion by imparting increased secretion of blood, not only to the stomach, but to every other part of the body. "Laughter is one of the greatest helps to digestion with which I am acquainted; and the custom prevalent among our forefathers of exciting it at table by jesters and buffoons, was founded on true medical principles. In a word, endeavour to have cheerful and merry companions at your meals: what nourishment one receives amidst mirth and jollity will certainly produce light and good blood."†

* Rowe on disorders of Women, p. 38.

† Professor Hufiland, of Berlin.

But above all, the utmost exertions are required to effect a due and healthy secretion from the digestive organs; and, where the liver appears to be inert, (which is almost always the case,) small doses of *Pilula Hydrargyri*, with occasional ones of *Magnes. Sulph.* and *Inf. Sennæ*, are to be given.

Indeed the adoption of that alterative system of treatment which has so frequently been alluded to, cannot fail to relieve, if not entirely subdue, this formidable malady.

To assist the removal of costiveness, patients should be induced to visit a place appropriated for that purpose daily, at a fixed period; as that method would materially assist the peristaltic action of the bowels, and induce a regular evacuation of their contents.

“Injections of cold water up the rectum, I have found highly beneficial; and if administered with a considerable quantity of fluid, and considerable impulse, the local impression is so powerful, that it is at once extended by the medium of sympathy through the whole of the

alimentary canal, and very thorough and copious discharges result.”*

There is no class of disorders in which the foregoing treatment, under certain modifications, can be better or more effectually adopted than in those nervous diseases resulting from the effects of warm climates upon European constitutions. The appearance of invalided Indian officers is strongly indicative of great visceral derangement. Exposed to a climate debilitating in all its effects upon the whole system, producing congestion of the portal veins, and subsequently fixing disease in the liver, on their return to Europe they present a combination of all the characteristics of low spirits and indigestion; and I conceive that a pathological investigation of these maladies is much illustrated by those practical observations necessarily arising from disorders of the stomach, liver, and their remedial influence, together with the description of those cases I have had the opportunity of having under my care.†

* Paris, p. 287.

† “The Englishman in Jamaica sees with regret the disappearance of his appetite, previously a source of frequently

The numerous cases of "LOW SPIRITS AND INDIGESTION" which have been described in former editions of this Work, having been applied by many of my readers, afflicted with GOUT, to their own peculiar cases, they have been induced to consult me; and although it is not my intention to traverse the beaten path of my predecessors, in the treatment of this distressing malady and its concomitant symptoms, yet I cannot forego this opportunity of expressing the firm conviction I entertain of its close alliance with indigestion and derangement of the general health.

I am aware that many writers on this disease have attributed gout to hereditary influence, arising without apparent cause; but I feel confident in asserting that the most frequent attacks of gout scarcely ever occur without previous

recurring enjoyment; and he succeeds, by the use of cayenne pepper and the most powerful stimulants, in enabling himself to take as much food as he was accustomed to eat at home. But the whole of the carbon thus introduced into the system is not consumed: the temperature of the air is too high, and the oppressive heat does not allow him to increase the number of respirations by active exercise, and thus to proportion the waste to the amount of food taken: disease of some kind, therefore, ensues."—*Liebig's Animal Chemistry*, p. 23.

symptoms of indigestion; that although it has been termed a peculiar morbid action in the joints, affecting the serous membranes, yet it is referable to a disordered state of stomach, and certainly to be remedied by those means which have been so often alluded to in the treatment of dyspepsia.

Gout has been termed a safety-valve to the constitution, and frequently hailed as a boon to the suffering patient: and even admitting, as I do, that there may be a morbid predisposition lurking in the constitution, the appearance of which symptoms may be justly considered as a relief, yet who can imagine that animal life, however constituted, requires for its maintenance in a comparative state of health, a disease involving such suffering?

Let me entreat the reader to view the premature old age, the enfeebled powers of mind and body, induced by repeated paroxysms of gout; its too frequent termination in stiffness of the joints, the accumulation of chalk stones, dropsy, palsy, and apoplexy: the inference must be obvious, that a disease capable of producing such

formidable results must be considered in a far different view than as a salutary relief to the system; and therefore requiring all the remedial measures in the power of medicine to afford, rather than to shelter ourselves on its appearance, and direct means only for its local treatment, or the usual approved system of its internal management.

The press for years has teemed with admirable and certainly scientific investigations into the origin, causes, and general principles for the treatment of gout; and I believe the conclusion arrived at by all writers is, that it is a local inflammation, induced by a peculiar morbid condition of the constitution.

A contrariety of remedies, such as *hot* and *cold* applications, *stimulating* and *refrigerating* systems of diet, *depletion* and *repletion*, *opium* and *purgatives*, have all been adopted and commended, no doubt with occasional temporary relief; but the disease is still undefined. The fact of its existence only is known, and it is, like several others, a reproach on the tablet of our medical discoveries and acquirements. It would appear arrogant in

me, after the path has been so ably trodden by many of the most learned men of this and other nations, to intrude my opinion in these cursory remarks ; but having witnessed all the formidable ills of gout, and having viewed for many years the hitherto lamentable failure of many of the most approved remedies, I trust I may be pardoned for having introduced these observations.

They emanate from the variety of cases of low spirits and indigestion which have been submitted to my care, and which have consequently led to the treatment of the premonitory symptoms of gout; and moreover confirmed the view I have long entertained, that the malady in question *arises* from, and is *dependent* on indigestion, and not the *cause* of it; and further, that the proper treatment of dyspepsia will not only prevent the frequent paroxysms of this disease, but will, if adopted with perseverance, finally remedy it. I would inquire of any one who has been afflicted with gout, whether the attack has not usually been preceded by low spirits, loss of appetite, irregular action of the bowels, restlessness, excitability of the mind, general languor and debility, and

those other symptoms I have described as connected with indigestion? The answer is obvious. Again, when we consider the long established fact, that the peasantry, and those who toil for their daily bread, and are consequently deprived of the many luxuries which affluence obtains, and are compelled to exercise those animal powers which the Divine Author of our being assigned to His creatures, are seldom, if ever, afflicted with gout, we have fair reason to conclude that the free use of our limbs, the moderate enjoyment of the comforts of civilized life, and the medium of intellectual and rational amusements, are not only the best safety-valves of the constitution, but are essential to the prolongation of human existence, and the most desirable object to attain in the removal of diseases.

Reasoning, therefore, from the circumstance that the peasant, by the means I have stated, is in the enjoyment of robust health; that the man abounding and participating in all the luxuries that wealth can obtain is dyspeptic and gouty, we may justly infer that the habits and modes of life of the lower classes are, under certain

modifications, highly conducive to the prevention of disease; while the stomach and body of the higher orders, being deprived of their greatest protectors, exercise and temperance, become in the first place disordered, and gout, or any other morbid action of the system, is consequently engendered.

These observations indicate also the manifest influence of the stomach, and its powerful sympathy in gouty as in other diseases.

Let it not be imagined, from the foregoing remarks and conclusions, that I am advocating principles of entire abstinence from animal food or fermented liquors. This is far from my intention, for I am fully convinced of the propriety and necessity of their assistance; and I conceive that, in the artificial state in which "we move and have our being," the climate which we inhabit, the inclemencies of season, exposing the body to the sudden and violent changes of temperature, and the various preternatural excitements of the mental and corporeal faculties, all powerfully prove the utility of those admirable restoratives and contributors of health, when

applied in moderation; and it is therefore doubly important, in our efforts to remove disease, that these adjuncts to nature should only be called in to our assistance under the most experienced and careful conductors. That the abuse of any system ought not to be instanced against its moderate use, is an established axiom. The observations of my friend Dr. Clutterbuck, a physician of extensive experience and justly acknowledged talent, are so much in accordance with my own views, and so excellent in themselves, that I have great pleasure in introducing them:—

“The value of *temperance* (another word for *moderation*) cannot, certainly, be too highly estimated; yet it does not follow that an entire abstinence, either from *animal* food or *intoxicating* liquors, is, generally speaking, desirable or useful in such a climate as the one we live in. On the contrary, observation would lead me to believe that what is usually termed *good living* (by which I would be understood to mean a *moderate* indulgence in the pleasures of the table) conduces both to the attainment of

vigorous health and to the prevention of disease. The body, when in health and strength, appears to be more steady in its movements, and less readily disturbed by external causes, than when debilitated by privation or other means.

“We may the more readily admit this, when we advert to the numerous instances that fall under almost daily observation, of individuals who live to a great age, with an extraordinary exemption from disease, whose habits of life are nevertheless far from temperate.

“This *comfortable* doctrine, as it must be allowed to be, is not (merely on that account) to be condemned; nor will it, I trust, be repudiated by my present hearers. For myself, at least, I confess I am not of the *ascetic* tribe of philosophers who denounce as sinful everything in the shape of *enjoyment*, and who inculcate the notion that the only path to Heaven is thickly strewed with thorns and briers.”*

In persons suffering from asthma, many of the leading symptoms of indigestion may be

* *Vide* Lancet, 1842.

discerned. The well-known sympathy of the pneumo-gastric nerves will perhaps account in a great degree for the powerful effect a disordered stomach has in re-producing attacks of spasmodic asthma, as well as the loss of voice.

It appears that the liver becoming overloaded with its portal blood, and the venous circulation consequently much impeded, an excess of carbon takes place, and congestion to a considerable extent occurs in the organs of respiration. The blue lips, the oppressed breathing, the moist skin, the flushed countenance, all betray an inequality of the vital force. The pulse is sometimes hurried and irregular; the appetite, during the attacks, varied; the bowels are costive; the secretions from them ill-conditioned and scanty; the kidneys irregular in their functions, the excess of carbon being characterized by the brick-dust appearance in the sediment of the urine, which at other times is limpid, pale, and copious.

In the varied phenomena of life it is difficult to explain the medium of certain organs becoming objects of disease, and their predisposition to

it. It is equally mysterious that one member of the same family should be afflicted with insanity, pulmonary, or any other presumed hereditary disease, while others are entirely exempt.

It may be replied that diseases are frequently engendered from accidental circumstances, and this may fairly be admitted; but it does not include all those deviations from health which are productive of the most serious and frequently fatal results.

The ample stores of physiology, and the researches of pathology, have as yet been unable to account for the multiplied forms of disease, or the various objects of its attack.

Asthmatic patients are generally the subjects of dyspepsia, and, like those afflicted with gout, are usually reminded of the recurrence of its paroxysms by the loss of appetite, and the other well-known symptoms of indigestion which affect them.

It is not my intention to condemn the remedies universally adopted in the treatment of asthma; the distressing effects of that disease often requiring the application of prompt and

immediate means of relief; and for that purpose æther and opium,—counter-irritants and expectorants,—are most essential; but I would direct my measures to the regulation of the digestive functions, by a system of diet and regimen and those medical rules which I have frequently referred to in this volume.

It has generally been remarked that asthmatic persons have voracious appetites, and can but with difficulty be restrained from indulgence in large quantities of food: this must prove the want of that equilibrium which is important to be maintained in all the functions of life.

The number of respirations being much augmented, a greater quantity of oxygen is absorbed, and therefore a like volume of carbonic acid is produced. The necessity for food which contains carbon and hydrogen, must be in proportion to the amount of inspired oxygen, or, as Professor Liebig has significantly expressed it, “the animal body acts as a furnace which we supply with fuel:” the food is the fuel; with a proper supply of oxygen, we obtain the heat given out during its oxydation or combustion.*

* Animal Chemistry, p. 23.

The natural number of respirations is about eighteen in a minute; and when we often observe that in cases of asthma the respirations are more than doubled, it accounts for the emaciated appearance of such persons, and proves the destructive effects of increased oxygen.

Bleeding has often been adopted in the treatment of asthma, and I confess with but little advantage, for it appears only administering to an effect rather than the cause; the relief it affords to the pulmonary vessels is merely of a temporary nature, and, I think, ought only to be prescribed in cases of great urgency; whereas the diminution of vital force it occasions is much to be feared; and as in many asthmatic patients no benefit can be obtained unless expectoration takes place, it is evident that the loss of blood will retard this secretion, and render the returns of the paroxysm more certain and frequent.

It has been customary by many writers on asthma to reprove in the strongest terms the use of purgatives; but with all deference to such opinions, I venture to state that I have seen them, when properly and judiciously prescribed, productive of the greatest benefits.

It must be evident that all accumulations in the bowels, not only mechanically but physiologically interfere with the functions of the chest. Pressure of distended abdominal viscera upon the diaphragm interferes with the expansion of the organs of respiration, while the loaded state of the venous circulation prevents a free passage through the lungs.

Now as the abdominal pressure and obstructed venous circulation are to be mainly attributed to the accumulations of matter in the alimentary canal, and the turgid or gorged condition of the blood in the liver, it is fair to presume that by depleting the bowels, we not only remove the mechanical pressure, but also promote a healthier action in the organs of digestion:—" *Nil tam ad sanitatem et longevitatem conducit quam crebræ et domesticæ purgationes.*"—Bacon.

Aged and debilitated persons require the use of purgatives more than those in early life; and in patients who have long suffered from attacks of asthma, it is even more important that their bowels should be kept perfectly free, as they are usually constipated, and with difficulty acted upon.

Mild aperients, when carefully administered, remove the accumulation of viscid mucus which generally obstructs the mouths of the vessels, facilitates the absorption of nutriment, and thereby invigorates the constitution.

The diseases which arise from indigestion, and from its frequent mistaken appearance, and consequent neglect, are so various in their character and results, that indigestion appears to me almost an inexhaustible mine for the production of all human maladies.

Of late years I have witnessed the formidable inroads it has made upon the constitutions of various patients. In some there have been considerable enlargements of the joints, mesenteric tumefactions, glandular swellings of the neck and throat, and ultimately the seeds of pulmonary consumption have been germinated, which are consequently denominated *Dyspeptic Phthisis*.

In these cases the attack is preceded by symptoms of indigestion, pains and tightness in the chest, and difficult or oppressed breathing. The mouth becomes parched, and the tongue dry;

morbid derangement of the biliary secretions, loss of appetite, and symptoms of general debility, cough hard and dry, with little expectoration; the skin hot, and the pulse hard and frequent, the countenance flushed at intervals, glassy eye, anxiety and restlessness.

These symptoms indicate the impending danger, and are considerably increased should the patient indulge in a free mode of living, as is frequently the case.

Often have I seen tonics and cordials, with opiates, administered to remedy the debility, and allay what is usually considered nervous irritability; but this mistaken course of treatment only tends to perpetuate the mischief and lull the patient into a false state of security.

The second stage of this disease is marked by an increase in all the symptoms. The expectoration, which was at first limpid, glairy, and trifling, now becomes thick, viscid, and tough, resembling pus, with occasional streaks of blood; and as the disease progresses this expectoration increases, night cold perspirations ensue, and the patients sink into a rapid pulmonary consumption of an ordinary kind.

I confess the usual characteristics of purulent matter in contradistinction to mucous secretion, are not always to be relied on, and must not in these cases be considered as forming the basis on which to exercise an indubitable judgment.

In the incipient stage of dyspeptic phthisis, there will be found great tenderness upon pressing the epigastric region, preternatural fulness in the left hypochondrium, flatulence and distension, with irregularity in the bowels, coated tongue, acid eructations, appetite impaired, sometimes voracious, at others disgusted with the sight of food. The biliary secretion defective and ill coloured. The urine high coloured and carbonised; sometimes scanty, at others copious and limpid. The breathing becomes short, and on any extra exertion is rendered difficult and oppressive, with uneasiness in lying on either side.

The hectic fever now assumes its appearance, the countenance is flushed, and expectoration commences, with a dry cough. The skin is hot and dry, and considerable evening febrile exacerbation takes place.

The usual pulmonary emaciation is comparatively slow.

It is at this period of the disease when the eye of the experienced practitioner will at once distinguish it from true consumption, and the adoption of that mild alterative mode of treatment so often alluded to in this Work will prove highly beneficial.

The pneumo-gastric sympathy will explain, in some degree, the phenomena of dyspeptic phthisis; and as the improved condition of the digestive functions manifests itself, so will the corresponding pulmonary symptoms participate in the general advancement to health; for little doubt remains in my mind that a morbid state of the digestive organs will produce a similar diseased affection of the lungs, if at all predisposed.

If we assume that in one minute ten pounds of blood pass through the lungs of an adult, we can readily imagine what an injurious and destructive effect increased circulation must have on the lungs. The liver, spleen, pancreas, and stomach are all supplied with blood from one

common arterial trunk: it therefore of necessity must occur, if the functions of these important organs are suspended, that a greater volume of blood is thrown back upon the whole system, increased temperature is induced, and in pulmonary diatheses the most formidable disorganization may, and frequently does take place. The conductors force the *nerves* which convey power to the different organs of digestion for the performance of their functions, but only in vain; the safety-valves of the constitution are closed; consequently the entire system becomes disordered and emaciated, as the elements of blood are imperfectly formed and irregularly supplied for the wants of the whole human frame.

As modes of treatment must be varied according to symptoms, they would, perhaps, be more fully exemplified in the enumeration of Cases, as in the chapter on Low Spirits; and therefore, under that impression, I have selected a few of the most striking.

CASE I.

MR. F——, aged 35, of a low stature and irritable temperament, had been affected with Dyspepsia for the last six years, gradually arising. First, he had a sense of heaviness at his stomach after dinner, with drowsiness: and faintness, trembling, and head-ache, about an hour before dinner; then, in a little time, succeeded loss of appetite, sudden transient distensions of the stomach, which were relieved by throwing off a quantity of wind; habitual costiveness, to relieve which he had frequent recourse to aloes, jalap, &c., which never fail to aid the disease rather than subdue it; at last pyrosis, or rising of a glairy fluid from the stomach in a morning, joined its obstinate influence to the before-mentioned symptoms, and destroyed all enjoyment of food. A few weeks after the concurrence of the above symptoms, the vigour of health was completely prostrated, and a constitution naturally robust (produced by the healthy occupation of

an agriculturist) greatly emaciated. The foundation of his disease was laid by indulgence in spirits, wine, and high living: in this course, from the imperceptible effect which it at first had on his constitution, he thought he might persist with impunity; but time soon convinced him of his error, and he was obliged to renounce all those unnatural stimulants, and adhere to a simple mode of living, which however was now of itself insufficient to check the progress of disease; and it soon became indispensably necessary to apply for medical assistance. As he had alienated himself from his irregular habits and propensities, the first intention of cure was accomplished; therefore I considered the state of the stomach to be now of the greatest importance. To remove those crudities, which the loss of appetite, sense of weight, and eructations, clearly proved to exist, I directed vomiting by means of the Antim. Tart.; then, to correct the secretions, which had acquired much acidity, and to obviate costiveness, I prescribed a rhubarb and magnesia draught, with small doses of calomel. In a short time the fæces became more

natural, losing that firmness and greenish cast which they had acquired. The medicines procuring him two easy motions every day, relieved the fulness and distension of the stomach; and the absorbents had the desired effect of counteracting the acidity. His diet consisted of a very light animal food, chicken broths, the most delicate kinds of fish, &c., taking very little each time. After a perseverance in the above remedies a short time longer, the symptoms, for which I had directed them, were removed; and then it became necessary to restore that tone and action to the muscular fibres of the stomach, which they had lost, and to give the organ itself vigour to perform its functions; for this intent I prescribed tonics of gentian, myrrh, and sulphate of iron, with occasional doses of senna and salts.

These recalled his appetite, and removed the pyrosis, headache and trembling, and shortly after he enjoyed his meals more than he had done for six years; his bowels were daily relieved; and, with exercise, his health was soon restored, and his strength returned with surprising celerity.

CASE II.

A GENTLEMAN, in the fortieth year of his age, was become so debilitated, through a mistake of his real complaint, as to have been brought almost to the brink of the grave. The most grievous symptom he laboured under, when he applied to one of the faculty, was alarming palpitations of the heart on ascending an eminence or using the slightest exertion, which obliged him to stop instantly, through fear of fainting; his breath was also checked, and his face and hands became of a livid colour, betokening a great difficulty for the veins to return the blood to the heart. From several cases of malformation of the heart, ossification of its valves, aorta, coronary arteries, &c., which have been found on dissection, and are usually thought to occasion those dreadful sensations described, his medical attendant was led to believe his was one of those cases, and accordingly, employed the ordinary means which reason

and experience have directed, such as frequent and great bleedings, an abstemious course of living, with little exercise, and anodynes to blunt the shafts of death, conceiving it impossible to remove the cause. He thought it was his duty to intimate to him the difficulty of his situation, and the insufficiency of medicine to perfect a cure; and also proposed further advice, should he feel any inclination for it. I was then called in. From the statement of the other practitioner, the appearance of the patient, and several of the concomitant symptoms of Dyspepsia he complained of, I conceived his present disease was closely allied to indigestion, and that the palpitation and shortness of breath (which are frequent attendants on Dyspepsia) proceeded from debility and want of energy in the vessels, rather than malformation or disease of them or the heart. With this view I proposed the trial of tonics, with a more generous diet, and small doses of pil. hydrarg. and rhubarb, to rectify the stomach, and remove that obstruction of the intestines which had long continued. A short space of time convinced me of the truth of my suggestion,

and hope began to beam upon the countenance of the patient, who had been cast into the deepest melancholy by the opinions that had been expressed on his case. The violent pulsations of the heart were considerably moderated, and his breathing, which had been affected by the impeded motion of the blood through the lungs, consequently alleviated. A little perseverance in the medicines, with cold bathing, added vigour to his system, and entirely removed the symptoms I have enumerated, with that languor, uneasiness, headache, nausea, trembling, hiccough, dejection, flatulence, and distension of the stomach, which he had long experienced. His pulse, which had been very irregular, became natural, and his tongue free from that tenacious fur which had denoted an imperfect digestion. The blood assumed its accustomed vivid hue upon his cheeks, and, in short, his friends had soon the ineffable satisfaction of seeing him enjoy his pristine health.

From the above case, it is evident how fallacious are the appearances of disease, and how difficult it is to discriminate between those

diseases which bear so great an affinity to each other in symptoms, but require a treatment diametrically opposite; for the remedies proper for the one would most surely prove fatal if applied to the other; and it is to be regretted that there are no certain criteria by which we might easily distinguish the real cause, and know at first sight what method to pursue; but the man of experience is the only arbitrator on whom we can rely, and who, from the collected appearance of the subject, can draw a safe judgment.

CASE III.

AN unmarried Lady, between 30 and 40 years of age, was seized with a severe pain in the epigastric region, and had complained of it two days before I was called in. She was troubled also with nausea and violent retchings, without being able to dislodge the contents of the stomach; heart-burn, and an inordinate desire for chalk, slate, and even ashes; which clearly

indicated great depravity of digestion, and the presence of acidity in the stomach. She had frequently complained of late of a peculiarly unpleasant sense of taste in a morning, and her tongue had acquired a permanent whiteness; the stools a blackish green cast, and the catamenia were deficient, and nearly colourless. The eructations were distressing; and, in bed, she had the sensation of an enormous weight on her chest. The pulse, during the violence of the pain, was at the rate of 70 in a minute, and of a natural softness. She had much habituated herself to the use of tea, and a rich full supper just before going to bed; therefore it was not surprising that the organs of digestion should become greatly impaired, and her rest be disturbed by frightful dreams;—indeed, natural sleep had entirely forsaken her, and, to obtain repose, she had recourse to the baneful power of laudanum. These afflictions and habits combined, were quickly undermining her constitution; they soon destroyed her appetite and proper digestion; gradually increased costiveness, and the above symptoms; and, at last, produced that violent

pain which promptly demanded medical assistance. As she had taken an emetic the preceding morning without relief, I considered the present nausea and inclination to vomit were the effect of the narcotic, from its improper use ; and, upon a little inquiry, she owned that she had swallowed 60 drops of laudanum the night before, and a similar dose about two hours previous to seeing me ; therefore my method to allay this excessive irritability was to prescribe saline effervescent draughts, with magnesia ; at the same time applying warm fomentations to the parts which were most painful. In the space of eight hours, the sickness was much modified, and the pain greatly diminished. Two profuse evacuations from the bowels succeeded, but they were indicative of bad digestion ; accordingly, after a more perfect cleansing of the alimentary canal, I ordered stomachics and gentle tonics ; and, very soon after, I was enabled to employ chalybeates with strong bitters, and occasional doses of pil. hydrarg., with inf. sennæ, which had the beneficial effect of recovering the powers of digestion, and by imparting vigour to

the habit, enabled it to throw off the secretions in a full and healthy quality, which is of such infinite importance to the proper regulation of the human body. I forcibly impressed upon her mind the necessity of following a regular manner of living, and the great advantages accruing from early rising; and, by a strict adherence to temperance and exercise, she has since continued perfectly well.

CASE IV.

A MARRIED Lady, from a continued irregular life in the gay metropolis, had become so diseased, that a removal into the country was judged necessary by her physicians; when she not only laboured under the common symptoms of Dyspepsia, but indurated tumours on several parts of the body were observable, together with violent cramps in the calves of the legs, audible palpitations, and severe headaches. These symptoms were, apparently, much relieved after

coming into the country, till she was suddenly deprived of reason. During the nights and in the mornings she talked incoherently, but, throughout the day, she had intervals of sensibility. While she continued in this way, the debility, nervous trembling, and despondency disappeared, and her pulse was firmer than usual. She had no pains in her head, but complained of an uneasy sensation and confusion. Being costive, she took some purgative medicine, but obstinately refused every other kind whilst her mind was in that deranged state. However, in a few days she became better, and in a fortnight recovered her reason, but relapsed into her old complaints, which were daily gaining ground on her constitution. She was now convinced of the necessity of trying some further means to prolong her life, and, in that hope, submitted herself to my care. From the mass of disease which presented itself, I could entertain but little hopes of relieving, much less of curing her; however, I ordered the mild alterative treatment, with occasional purgatives.

It was some days before these medicines had any visible effect, except that the bowels were

rendered soluble by them, occasioning an evacuation every morning of fætid matter. She took but little food more than chicken-broth and asses' milk, of which last I recommended her to drink a tea-cupful every morning fasting. On the tenth day from the administration of the medicine, the motions became of a more healthy consistence and colour, and she was more free from spasms; her rest also became better, and she felt more easiness at her stomach. The boluses creating a slight degree of ptyalism, I directed her to take them every other night. After some perseverance, the hardened tumours seemed disposed to subside, and upon the whole her health was materially improved. I continued the medicines as long as the fæces and tongue testified an imperfect secretion in the stomach, gradually ordering the tonic ingredients. The oppression at the chest was so much abated that she ventured to eat some chicken and other light and simple food, which causing no uneasiness, and the chyloptic viscera resuming, in some measure, their healthy functions, I omitted the alterative and continued the tonic system.

The third week after employing the above,

the uterus resumed its periodical evacuation, which had not been the case for three months previous. Her appetite was now extraordinary, and digestion improved; the palpitations, nervous irritability, and trembling vanished, and the tumours were dispersing. At the end of the third month from her arrival in the country, she returned to London, with a firm resolution to shun every path which might lead to the sumptuous table of the extravagant voluptuary. I have since had the pleasure of hearing she still continues in an abstemious course of life.

The preceding extraordinary case strongly proves the sympathy which exists between the stomach and brain: from the dyspepsia proceeded that excessive irritability and derangement of the mental faculties; and when the brain was excited, it diffused a preternatural stimulus to the system, consequently imparted a temporary degree of vigour to the organs of digestion, and removed the dyspeptic symptoms; but, as being the effect of preternatural excitement, it could not possibly continue; therefore, when the irritability of the brain subsided, the symptoms

of indigestion returned, but a much greater degree of debility prevailed, because every part of the body had undergone an unnatural exertion, and the nervous system was to be expected to participate in this morbid affection, which would soon have destroyed life.

CASE V.

A MARRIED Lady was recommended to apply to me for advice in the month of September, 1818, having been afflicted with symptoms of dyspepsia for some months preceding. She had suffered from excessive hæmorrhage subsequent to parturition, which produced faintings and great debility. Notwithstanding the utmost care being taken, she caught cold, which kept up a continual nausea, shivering, and pain. However, by the necessary antiphlogistic remedies, she in some measure recovered, and had sufficient strength to leave her bed; but her appetite was

defective, and the nausea returned at intervals. Her bowels had been very irregular, and the evacuations were deficient and ill-coloured. When I first saw her, the muscular parts of the body were very much wasted, her eyes sunk into her head, and her skin had the appearance of being daubed with white paint; a mere skeleton, covered with integuments, appeared before me. She now complained of pain in her forehead, and particularly in the balls of the eyes; troublesome distension; weight and sense of choking at the stomach; trembling and palpitations upon moving the body, with œdematous swellings of the legs and ankles; sickness and vomiting. Now, as these symptoms proceeded from exhaustion through a deficiency of vital energy, my object was to restore it as quickly as possible; and as the first step thereto is to calm the nervous system, I prescribed a full dose of tinct. opii in cinnamon water, and relieved the bowels and flatulence by means of a clyster with assa-fœtida in it. About four hours after she had a copious motion, and passed a quantity of wind, but the stomach still continued irritable, and

scarcely anything would stay upon it: as the anodyne was rejected, I employed it in a broth clyster, and ordered the epigastric region to be rubbed frequently with a liniment composed of opium and camphor. These applications, in some measure, palliated the urgency of the symptoms. The next day a degree of tranquillity was restored to the stomach, yet convulsive twitching motions of the muscles were evident. I then advised the administration of broths of the most nutritious kind, divested of all fatty matter, and prescribed small doses of opium, continuing the use of the enemata. In a few days I had the satisfaction to find the stomach more tranquil. And now the primary object appeared to be to obviate a recurrence of the symptoms; which was to be effected by producing a degree of re-action in the *prima via*, by giving small doses of pil. hyd. combined with opium, inf. sennæ, and manna: these evidently procured the greatest relief, as considerable discharges of thick mucus were the consequence. I eagerly pursued this plan for some time, till the alvine secretions denoted

that the liver had resumed, in a great degree, its proper functions. The evacuations were manifestly becoming daily improved in colour and consistence; and with the use of tonics, in combination with occasional doses of opium and calomel, her health was considerably amended. I then recommended cold bathing, air, and exercise to a degree without experiencing fatigue, which ultimately succeeded in re-establishing her health.

CASE VI.

MRS. B., aged 43, the mother of nine children, was attacked, in the autumn of 1822, with violent pains in her head, vertigo, her hearing became affected, and her vision quite impaired; her appetite was extremely defective, and she suffered great prostration of strength. She was nervous and irritable; her pulse was hurried, at other times languid and feeble; her tongue much coated with a white tenacious fur; considerable

tenderness in the epigastric region; costive and clay-coloured evacuations; œdematous swellings of the ankles, and a species of hemiplegia, having nearly lost the use of one side of the body. In this deplorable state she had been attended for some months by a respectable medical practitioner, who prescribed tonics and a generous diet, attributing her disease to atony; but this plan appeared to aggravate all the symptoms so much, that, her vision becoming daily worse, she was ordered to consult an eminent oculist in town, under whose care she continued for some time; but he judiciously considering that her blindness arose from some constitutional causes, as he could discover no organic disease of the eye, recommended her to have some other opinion. I was, in the spring of 1823, requested to visit her, and considering her disease as emanating from dyspepsia, which opinion all the symptoms warranted, the usual routine of medical application was commenced, varying them as the circumstances demanded. I also adopted the most rigorous methods as to diet, air, and exercise. I had the good fortune to

find my patient possessed of a superior mind; and my plans having been scrupulously adhered to for three or four months, I soon enjoyed the great satisfaction of seeing an amiable woman restored to health. She has since been occasionally subjected to slight recurrences of her disorder, but, by the adoption of early and decisive remedies, they have as speedily disappeared.

CASE VII.

A YOUNG Lady, 17 years of age, applied to me in the autumn of last year. She complained of pain in her chest, difficulty of respiration, dry skin, cough, with considerable expectoration of purulent matter; menstrual obstruction for some months; costive evacuations, and ill-coloured; indigestion and loss of appetite; pulse quick and hard. I could not but be alarmed at these formidable symptoms; but considering that they might be ameliorated by regulating the secre-

tions from the liver, and procuring more frequent evacuations from the bowels, I recommended perfect quietude, simple farinaceous diet, with an even temperature of her room, and adopted an undebilitating course of mercury, with saline purgatives. The disease withstood these remedies, and the action of the blue pill was much retarded. Indeed, I have frequently experienced in these dyspeptic phthisical cases the greatest difficulty in producing mercurial affection. However, in the course of a month the glands in the neck became swollen, and ultimately suppurated, and I then ascertained that the liver and bowels were more active, and the symptoms much alleviated. Sometimes, however, the patient was hysterical, at others phthisical: by watching these various appearances, and applying the suitable remedies, her constitution gradually yielded to the treatment adopted, and she has continued well since.

CASE VIII.

A GENTLEMAN, 50 years of age, had been for several years afflicted with gout. In his habits he was temperate and active; occasionally subject to cough and pain in his chest, but otherwise in the enjoyment of general good health. During the spring of 1838, from long exposure to cold, he was attacked with inflammation of the chest, which, after considerable difficulty, yielded to active measures, but left him desponding, and exceedingly debilitated. During the succeeding summer he became dyspeptic; the pain in his chest returned; his gouty paroxysms had forsaken him, and he appeared much emaciated; and notwithstanding my earnestly suggesting the alterative treatment and dietetic plan I have frequently alluded to, and expressing my confidence in its success, his family became alarmed, imagining that consumption had fixed its firm seat; and he consulted a physician in London, eminent for the treatment of pulmonary diseases, who at once confirmed their fears, and stated to me,

that with his stethoscope he had detected tubercular disease in the lungs. I, of course, bowed to his opinion, and the treatment he suggested was strictly adopted for several months, but certainly without the slightest improvement in health. The patient continued coughing, and the dyspeptic symptoms were aggravated. In this state they were again induced to adopt the alterative plan, as recommended by me, for several weeks, which so far restored him, that his gout slightly returned, and he was enabled in the November of that year to undertake a voyage to a warmer climate, still continuing the plan. He returned to England in the May ensuing, perfectly restored. This case appears to confirm the important dominion the functions of digestion possess over the whole system; and too frequently have pulmonary diseases been confounded with dyspeptic. Even when the predisposition to disease of the lungs does exist, it may be controlled by proper vigilance and attention to the alterative treatment; for experience has proved that these means will mitigate, if not remove, many of "the ills that flesh is heir to."

CASE IX.

A LADY, 55 years of age, had for some time complained of pains in her stomach, restlessness, giddiness, and dimness of vision ; her pulse was full and slow; her appetite faulty, indeed a loathing on the appearance of food; her bowels costive, skin dry, and she had suffered much mental anxiety. On my visiting her I ordered the dose as directed in the first case, which effectually relieved the bowels. She appeared better and continued improving for several days; but, after passing a restless night, the pain in her stomach returned, her body became distended, and this was accompanied with considerable flatulent discharges; her countenance anxious and distressed, with all the formidable train of dyspeptic symptoms. Indeed a more striking case of indigestion could not have been witnessed. In spite of all the remedies, little or no relief could be obtained; several weeks elapsed

when she was seized with violent vomiting, and voided at least three pints or more of grumous blood and serum; this of course increased my anxiety and alarm in her case. I then directed perfect repose, with saline effervescing draughts, and small doses of opium, as a cordial, together with a simple farinaceous diet, gentle laxatives of manna, and mucilage of castor oil. To the surprise of her family, she gradually improved. I therefore ventured to prescribe small and undebilitating doses of pil. hydr. and rhubarb, with decoction of sarsaparilla, relieving the bowels occasionally with senna and manna, varying this treatment as the state of the secretions required; and with considerable watching and attention to the appearance of the secretions, she was ultimately restored to health.

This case must still further corroborate the proof of the insidious mischief that indigestion gradually commits. The origin and cause were no doubt to be attributed to improper and excessive diet, neglect of the ordinary evacuations from the bowels, and the usual routine of fashionable indulgence in a habit singularly predisposed.

Nature relieved herself of the accumulated burthen, though the digestive functions were left irregular and impaired, but the grand restoratives, diet, regimen, and attention to the secretions of the liver, eventually prevailed.

CASE X.

A YOUNG Lady, aged 26, had been suffering for the last six years with violent pains in the lumbar region, the paroxysms of which were frequently so severe as to require powerful doses of opium, and warm baths, which were of course but a temporary relief; her general health was much impaired, and she had scarcely left her couch for the last two or three years; her appetite was impaired, her pulse quick and feeble, the bowels irregular, the biliary secretion defective, and notwithstanding her general amiability of temper, she was peevish and irritable; the uterine functions were much disordered; the

urine was limpid and sometimes copious, with a brick-dust sediment. She was much emaciated, and her disease presented one of the most distressing cases I had ever witnessed of indigestion. Her history was most interesting; she had been attended previously to my seeing her by thirteen medical men, some of the most eminent in the profession, and her case was considered hopeless, the general opinion being that a calculus was lodged in the left kidney, and that the dreadful paroxysms of pain she endured in the lumbar region were attributable to it. Setons and blisters had been employed.

After the opinions that had been given, (and to these I was bound to pay the utmost deference, from the justly acknowledged talents of the men who had formed them,) I could not feel desirous of interfering, still less could I hope that any remedial measures suggested by me would be beneficial; but, considering that the alterative and dietetic symptoms I have so frequently here explained, could not aggravate the formidable ills that prevailed, I decided upon their adoption. For the first two or three months

little benefit was apparent; the distressing paroxysms were, if anything, not quite so frequent or severe. The bowels were more open, although the evacuations retained their slimy, mucous, clay-coloured character; but my patient (for indeed she truly was so) rigidly persevered. Months passed on with but occasional relief; but previous to the expiration of my year's attendance, I had the highest gratification in finding all the symptoms yield. The paroxysms of pain had subsided, the bowels were regular and healthy, and the other important organs had assumed their duties; so that the poor invalid was amply repaid for her perseverance by her eventual restoration to health; the result proved in the most striking manner the powerful influence exercised by the digestive functions over the whole frame.

CASE XI.

THE daughter of a respectable tradesman, aged 18, had been for the last five years not only totally incapable of walking, but even of

standing, or of moving her legs without violent pains. In the spring of last year I was requested to see her. The history of her case was this: she had five years since complained of gradual inability to walk; her stomach had continually rejected food; she was peevish and irritable, and at school declined to mix with her companions; her countenance was pallid, and her whole frame progressively wasting, and from being one of the most healthy-looking and good-tempered active girls, became indolent, dull, and morose. She got worse and worse under the best medical advice her father could procure, and appeared gradually sinking. Her case excited much compassion in the neighbourhood, and several benevolent ladies prevailed upon her parents to allow them to get her admitted into one of the hospitals in London, where she remained for many weeks. Her spine was blistered, she was put under the slight influence of mercury, electrified, warm baths, cupped, and in fact everything possible was done for her; but she was brought home much more emaciated, and altogether in a hopeless and distressing condition, and in this deplorable state she remained

for five years with little remission of the symptoms. Her appetite had fluctuated much, but her inability to walk or stand was unaltered, and she had violent pain and a choking sensation in her throat when she attempted. It was in this melancholy state I was requested to see her. I found her pulse feeble and weak, skin dry and horny, tongue white and coated, a sensation of distension and tightness about the epigastrium and præcordium, and a feeling of coldness at the stomach, with flatulence; the stools were deficient in bile, and the bowels generally irregular, sometimes constipated, at others relaxed: the urine muddy, dark coloured, and depositing a brownish sediment; the uterine functions from the age of 13 had been irregular and unhealthy. Reviewing as I did all these symptoms with attention, I then examined the spine carefully, but was unable to detect any irregularity or tenderness upon pressure, or indeed any local malady, and I therefore concluded that this was a case of dyspepsia under its most aggravated form and character, and directed my remedies in the most careful manner, beginning with a thorough

depletion of the bowels and stomach; afterwards I prescribed, under various circumstances, that mild alterative treatment to which I have so frequently alluded, with animal and farinaceous diet, and directed her to be wheeled into the air every day that the weather would admit. In a few weeks she appeared better, her appetite was improving, her bowels were more regular, and the colour much altered; the liver gradually began to resume its functions, her spirits were better, and her ability to move became evidently increased. She soon attempted to walk with assistance from her bed to the opposite side of the room, and in a few months, to the astonishment not only of myself, but of every one who witnessed her case, she was enabled to resume her domestic duties, and is at this time in perfect health, and quite as capable of walking or running as at any period of her life. This case, viewed physiologically or pathologically, presents an interesting history to all medical practitioners. The morbid sympathy induced by the deranged functions of the liver and stomach upon the brain, was never more powerfully developed. The capability of

motion corresponded with the improved condition of her general health. It is probable that there had been pressure from serous effusion either on the brain or medulla spinalis, and as the improved state of the digestive functions rendered the absorbent system more effective, it also accounted for her extraordinary recovery.

CASE XII.

A FIELD OFFICER in the East India Service, in consequence of an attack of fever and dysentery, became so much invalided as to be sent to England, in the year 1840, for the recovery of his health. The sea voyage at first appeared to recruit him, but he landed emaciated, enfeebled, and scarcely able to walk. For some months after his arrival he was placed under the most able medical treatment, and had tried change of scene and air and sea-bathing, but he was restless, impatient, and dissatisfied

with every remedy suggested to him, and did but little credit to the justly acknowledged professional talent which he had consulted. But it sometimes occurs to invalids that "trifles light as air may prove confirmations strong." He had read this little volume, and decided upon seeing me in the spring of last year. He appeared generally diseased; his countenance may be denominated as a visceral one; he was dejected, waspish, and irritable; skin yellow and dry; violent cough by paroxysms; pulse hard and quick; abdomen enlarged and tympanic; breathing short on the slightest exertion; depraved appetite; frequent rigors; bowels generally costive, with much discharge of blood; and hæmorrhoids, or piles, which were distressing to him. I at once stated that little more could be suggested for him than that already prescribed by my able predecessors; and unless he had made his mind up to a steady perseverance in the system I should adopt, it would be in vain to commence it; and that I further felt anxious not to take charge of him unless he strictly pledged himself to pursue it. He promised, and I believe fully performed.

The mild purgative system, with cold water injections up the rectum, and a few drops of hydrocyanic acid three times a day, with occasional small doses of opium, soon allayed his extreme nervous irritability. I then directed his diet to be sparing, and to consist of animal and farinaceous food, boiled rice and milk, abstaining from all vegetables; small quantities of wine of a generous character; decoction of sarsaparilla, with manna and tincture of cardamoms; exercise in the air in an open carriage, with sufficient warm clothing; early rising and retiring to bed; cheerful society, and, so soon as he was capable, horse exercise. In a few months he became much improved in all his symptoms. I then recommended him a tour to the sea-coast last autumn. He is now quite well, and intends returning to fulfil his military duties in a few months. This is another illustration, that however climate and arduous professional duties may impair the general health, where there is no organic disease, the mild alterative system, with diet and great perseverance, will prevail; but it is found to be too difficult in many patients to persuade them to

adopt a course so at variance with their general habits, and requiring so much patience and attention to effect a beneficial result.

CASE XIII.

A GENTLEMAN, who had resided many years in the West Indies, applied to me in July last. He complained of severe pain in the præcordium and difficulty of breathing, which he stated had frequently attacked him during his residence in the warm climate, and which had rendered his existence miserable and distressing. He stated that the paroxysms for the last three years had been more frequent, and their effects were gradually undermining his constitution; that he had suffered from an attack of jaundice, and that his medical attendants there had recommended, as the only means of prolonging his life, that he should return to England, and that he had arrived in the autumn of the year preceding.

The change had been most beneficial to him, as well as the medical aid he had recourse to, and for several months he appeared recovering; but he had been attacked with diarrhœa, attended with bloody evacuations (this is a symptom I have frequently remarked in patients who have suffered much from the influence of warm climates), and from that period his general health seemed fast declining. He had tried change of scene and air in vain, became dispirited and dissatisfied; his legs were œdematous; his appetite defective, at other times inordinate; his general appearance emaciated, and his countenance anxious and distressed. In this condition he applied to me. I found his pulse quick and hard; his tongue coated, and his fauces dry; great tenderness about the epigastrium, and the abdomen generally enlarged. His nervous excitement was almost approaching to insanity; his eyes were glassy, and he was becoming hectic. He had grossly neglected his bowels; they were costive and irregular. His urine high coloured and scanty. He complained much of pains in his loins and legs, and only with difficulty could

drag one leg after the other. I commenced the mild purgative system, and ordered also small doses of prussic acid, directing entire abstinence from wine and spirits, a farinaceous diet, with gentle exercise and air, retirement to a little distance from town: he became progressively capable of resuming his animal food and horse exercise; the most formidable ills gradually (though slowly) disappeared, and I found that small doses of pil. hydrarg., with ext. of colocynth, and decoct. of sarsaparilla, most materially contributed to his restoration to health.

I cannot help remarking on this case, how important became the arrangement of his food. At first all animal matter was rejected; but as the bowels were kept free, and the *quantity* of food carefully watched, as well as the *quality*, the stomach was less irritable, and ultimately performed its office.

CASE XIV.

AN Officer, aged 62, of high rank in the Artillery, who had served many years in India, and previously and subsequently to his return to England, had been much invalided from the effects of climate upon a naturally robust constitution, and who, with great truth and justice, remarked that neither rank nor wealth could compensate for the loss of that most valuable of all human blessings, health, consulted me. He had returned home several years when I saw him, and stated, that although upon the whole he was improved in health, yet that he suffered from violent fits of coughing; that his appetite was most uncertain; that he was weary and fatigued on the slightest exertion; that his nights were restless, and his bowels never evacuated but with medicine; and that he had been a martyr to the piles, with occasional discharges of blood, and that his head-aches were most severe and distressing. He had been cupped and bled frequently,

but only with temporary relief; he felt desponding and irritable. He had committed one of the great errors of our nature, by seeking relief in the haunts of fashionable indulgence. Excess of drinking may be condemned, but what is more mischievous in its results than excess of eating, and that voraciously, at irregular intervals? After he had applied to me, he was suddenly attacked with a violent fit of coughing, and vomited a considerable quantity of thick grumous blood, which dreadfully alarmed him. I prescribed bleeding, with a gentle purgative, and he voided hardened fæces mixed with coagulated blood for several days. But a mild nutritious diet, with saline medicines and perfect repose, soon remedied the impending danger; and it then became imperative to adopt a course that was in future to preserve his life and restore him to health. I directed purgatives of senna and manna, with small doses of pil. hydr. and pil. rhei, twice or thrice a week, as circumstances required; strict attention to diet, horse exercise, a change of scene and air, with occasional warm sea-bathing; injections of cold water up

the rectum every morning, with other remedial measures which have been so frequently adopted in these cases: and his countenance, which had before been of a yellow cast, assumed a clearer hue; his spirits improved, and all the truly desponding symptoms were progressively removed; and I have no doubt that, should he persevere in the rules and regulations I have formed for him, he will eventually be restored to comfort and health. The history of this case perfectly accords with the pathological view I have ever entertained of the morbid influence of warm climates upon European constitutions. The liver either becoming indurated or incapable of the secretion of bile, consequently the vena porta, with all those vessels returning the venous blood from the mesenteric and intestinal vessels, becoming obstructed, sufficiently accounts for such frequent hæmorrhages as are witnessed both from the stomach and hæmorrhoidal veins; and although the depletion of them by cupping, leeching, or bleeding is highly beneficial, yet may be regarded as only administering to the effect, and not to the cause.

CASE XV.

A LADY of fortune, residing in the neighbourhood of Chigwell, and deservedly esteemed for the many amiable qualities that adorn her sex, at the advanced age of 74 was seized with a fit of apoplexy. She had previously complained of pains in her head, and giddiness, heat in the stomach, costive state of the bowels, irregular appetite, and general lassitude and debility; but, considering that these infirmities were the natural concomitants of age, she paid but little attention to them, "and seemed rather to endure the ills she had, than fly to others we know not of:" and, therefore, these monitors were disregarded. I was first consulted on her attack, and directed the usual remedies of bleeding, leeching, and purgatives, with considerable benefit; and although the brain was much relieved, and her speech restored, yet she was paralytic, and her stomach dyspeptic, with all the aggravated train of symptoms arising from pressure.

The liver was inactive; the bowels constipated; the pulse full, frequent, and irregular. However, I adopted the purgative system, with calomel twice a week, occasionally decoct. aloes, leeching the temples, or bleeding. Great attention was paid to her diet and exercise, as, whenever the weather permitted, she took a ride in her open carriage; and it was extraordinary to witness the beneficial effects of this mode of treatment; for although, at her advanced age, little hope could ever be reasonably entertained that the paralysis would be remedied, yet her powers of motion were much increased. Her appetite and general health were exceedingly good; and, by watching her case, and strictly following up the great principles so often referred to, the remaining years of her existence were rendered happy to herself, and a blessing to all who had the good fortune to be associated with her. Twelve successive years to this attack I had the pleasure of dining with her on her birthday, and of bearing testimony, not only that the great mental faculties for which she was so much distinguished, were unimpaired, but

disease entirely controlled. A severe attack of influenza terminated her existence, when she had just completed her 87th year.

On a review of this history it must occur, that had the symptoms she first complained of been promptly attended to, the attack of paralysis might have been warded off; for, if the circulation of blood through the brain could be so controlled by the treatment, even when mischief had arisen, what must be the reasonable inference? Her stomach, liver, and the digestive functions had all become deranged; the blood had been imperfectly formed, and lost part of its *vis vitæ*; congestion consequently took place in the vessels of the brain, producing pressure and paralysis. Thus this case also proves, that at whatever periods of life disease occurs, or whatever description of disorder attacks the human frame, the regulation of diet, regimen, and the management of the bowels, are the most important points to direct our attention to, and the most important advantages to obtain.

CASE XVI.

A GENTLEMAN, residing in the county of Essex, aged 48, had been for the last 20 years suffering from gout: he applied to me about two years since, complaining of loss of appetite, pains in the stomach and right hypochondrium, general debility and lassitude; his nights were restless, his bowels costive, with great depression of spirits; the paroxysms of gout had been more frequent and severe; in short, his constitution appeared to be gradually sinking. He had received temporary relief from many of the usual remedies, both from the pretender and the regular practitioner.

Imagining that his present symptoms were allied to indigestion, he requested me to prescribe for him. I directed the mild alterative system of treatment: gentle exercise in the air; his diet to consist of light farinaceous, with a small quantity of animal food once daily, regular hours of going to bed, and early rising, change of scene, with warm salt-water bathing, injections of cold water up the rectum every

morning; his drink to consist of small proportions of brandy in water, taken only during and after his meal of animal food. In a few months his health became much improved; he was cheerful, felt quite equal to his previous exertions, and resumed his horse exercise; but presuming on the absence of all former symptoms, he ventured to deviate from the path of security by joining again the companions of his old irregular habits, into which he soon relapsed, and consequently became dyspeptic and gouty. I then ordered the application of powerful stimulants to the affected parts, with warm water (which I have frequently found highly beneficial in inflammatory attacks of gout), gentle laxatives, &c. He gradually recovered, and although the paroxysms occasionally recur, yet their violence and frequency have been much diminished; his warning symptoms point out to him the remedies; and instead of being a martyr to the gout, his life is rendered comparatively happy by the adoption of the mild alterative system, and by his strictly adhering to the golden rules of temperance and exercise.

CASE XVII.

A GENTLEMAN, aged 73, a retired and highly respected medical practitioner in the county of Essex, for many years of his life had suffered severely from gout; chalky depositions had taken place in several joints; his legs were œdematous, his nights restless, his bowels generally costive, the evacuation sometimes yeasty and frothy; limpid and copious discharges of urine; the tongue was coated, pulse weak and irritable; his appetite was inordinate, with a great desire for all the luxuries of the table. His habits through life had not been very irregular, yet he had lived freely and well. His constitution appearing to give way under late repeated attacks of gout, I was requested to see him. I placed him upon the plan so frequently introduced here, of regulating his bowels and of dieting himself; I also established a system of purging him twice a week, and recommended as much exercise as he was capable of undergoing. The benefits he derived were never more powerfully evidenced in any

case; for although little chance could be calculated upon of removing his disease at so protracted a period of life, yet his whole system was renovated; and not only were his sufferings much mitigated, but his general health was improved, and the evening of his life divested of many of the distressing effects of low spirits and indigestion.

CASE XVIII.

A LADY, the daughter of an eminent surgeon in the county of Essex, came under my care: she had for several years suffered from habitual fits of coughing, wheezing, and difficulty of breathing, and had been as frequently relieved by the usual remedies; but the attacks became more urgent, her general health much affected, and all the symptoms considerably aggravated; her pulse was frequent and wiry, her skin dry and horny, the tongue coated, and the entire train of dyspeptic symptoms presented themselves, with pains in the chest and right hypochondrium: in

this alarming condition she was confined to her room for several weeks. My first plan was, to relieve the chest by blistering and local bleeding, depleting the system by occasional purgatives, directing a mild and simple diet, and even temperature of the chamber. Although compelled by the urgency of the symptoms to adopt this course for temporary relief, which happily succeeded, my mind was nevertheless powerfully impressed with the opinion that all the mischief arose from indigestion; and I therefore directed my attention to what I conceived the only mode of removing all these formidable evils. For this purpose I prescribed undeblilitating doses of mercury and gentle purgatives, occasional counter-irritation on the chest, with bland and nutritious food, and total abstinence from all stimulants. The mild and alterative system was strikingly and beneficially developed; the violent coughing and difficulty of breathing became relieved, the appetite returned, the constitution was improved, and several months have now passed away with perfect restoration to health.

CASE XIX.

A DIGNITARY of the Church, in the spring of 1842, aged 67, consulted me. He had been for several years suffering from a most painful and formidable cutaneous disease, which had resisted every remedial measure he had adopted by the recommendation of many eminent practitioners; and in addition to this, he had for some time been attacked with severe head-aches, indigestion, and general visceral derangement. His habits through life had been studious and sedentary. The continuance of his symptoms had at length induced inflammation in one of his legs, which ultimately suppurated, and discharged an unhealthy pus, with considerable excoriation of the skin, fœtor, sloughing to an extensive degree, and ulceration. His stomach was irritable, occasionally rejecting his food; the secretions were unhealthy; his nights painful and sleepless; countenance anxious, and depict-

ing great suffering; the pulsation weak and irregular; the heart with difficulty maintaining the circulation of blood to the extremities; the appetite irregular. No one could view this case but with considerable fear and doubt, for at that period of life the symptoms all presented disorganization and decay of nature, and the languid condition of the heart appeared too fully to corroborate this opinion. However, it occurred to me as the only chance of recovery, to direct my remedies to the improvement of his digestive organs, at the same time suggesting the most simple and soothing applications to the wound. My dietary and medical treatment were faithfully observed, and in two months he was enabled to visit Ramsgate. After remaining there for several weeks, he returned home dispirited and uncured, for the sloughing and ulceration had even extended. I confess I felt chagrined and disappointed; but considering that no other course could be advantageously pursued, I varied the treatment but little, only adapting it to any untoward symptom that might occur, watching him with great care and attention. The disease

appeared gradually to yield; I carefully removed the sphacelated portions from the wound, which assumed a more favourable aspect, and it seemed to serve as an index of the improved state of his general health; for in proportion as the liver, stomach, and other digestive organs approached to a healthy state of action, so did the granulation arise, and the *vis medicatrix naturæ* perfect her work, and in a few months he was restored to health. I was gratified in witnessing a valuable and talented man restored to health and society, and resuming his useful sphere of occupation.

CASE XX.

A CAPTAIN in the Madras army, residing in a distant part of England, in consequence of ill health had been obliged to return home ten years since; he had during that period consulted medical practitioners distinguished for the treat-

ment of Indian diseases, but not having obtained any permanent benefit, he applied to me about twelve months ago. He appeared much emaciated; his eyes were sunken; skin yellow, hot, and horny; spirits dejected; sometimes irritable; defective appetite, habitual costiveness, with slimy mucous discharges; urine scanty and high-coloured, with brick-dust sediment, sometimes pale and limpid, and in large quantities; pains in the head; confused noises and giddiness; oppression about the region of the heart, stomach, and liver. What formerly imparted pleasure and satisfaction, seemed now to annoy and disturb him; and although he was an officer of great merit in his profession, and of firm mind and integrity, yet it was lamentable to witness the inroad which disease had effected, not only in his constitution, but in his hitherto amiable and considerate disposition. I directed purgatives to be continued alternate days for some time, with a mild nutritious diet and regimen; small quantities of brandy and water; the introduction of a pint of cold water up the rectum every morning, by an enema syringe. In a

fortnight or three weeks I limited the purgative means to once or twice a week, as circumstances required, and commenced with a mild alterative course of medicines, occasionally ordering doses of hydrocyanic acid, when the stomach or bowels became irritable, or purulent discharges took place, which frequently occurred. He varied much during the last few months, but continued improving in all his symptoms, for they gradually yielded to the mode of treatment. In May last he paid me a visit in town, and I feel much happiness in stating that he was convalescent. This case manifests in the highest degree the efficacy of mild remedial measures in constitutions afflicted with tropical diseases, and also what may be accomplished by a strict attention to diet and regimen, however formidable the invalid's condition may appear.

CASE XXI.

Miss J., residing in the neighbourhood of Chigwell, in the autumn of 1841 was attacked with violent pains in her chest, difficulty of breathing, fever, and general derangement of all the digestive functions, which was followed by severe coughing, and frequent expectoration of blood to a considerable degree. The febrile symptoms were urgent, requiring prompt and decided antiphlogistic measures, which ultimately prevailing, left her in a state of extreme debility. Loss of appetite, paroxysms of coughing, and frequent hæmorrhage. I then directed my remedies to allay the pulmonary irritation, by gentle laxatives, counter excitement, &c. The fever happily subsided, but left her dyspeptic, with partial suppression of the uterine functions. I now adopted the mild alterative plan, and although the symptoms of pulmonary disease

frequently presented themselves, yet she continued improving during the winter. In the spring, I recommended a change to the sea air of Brighton, which benefited her much. In the autumn of last year, some of her former symptoms again appeared, but were soon controlled by having recurrence to the former remedies; and for the last five months she has remained perfectly well. In considering the various symptoms of this case, it must afford an additional evidence of the great sympathy between the pulmonary and digestive organs; for as her general health improved, so the cough, expectoration of blood, and other characteristics of consumption vanished. I fear that too many cases of a similar nature are mistaken for a disorganization of the lungs, when they are induced by the disordered functions of digestion. My patient possessed a superior mind, which tended in no small degree to her recovery.

CASE XXII.

Mr. B. had suffered for the last twenty years from all the distressing symptoms of indigestion; his case had frequently been considered hopeless by many of the medical profession, and although he had been temporarily relieved, he never had recovered, but was a martyr to this deplorable malady. In the spring of last year, he was induced to apply to me. I found him in a state of extreme debility; tenderness in the epigastric region; hot and dry skin; jaundiced appearance of the *tunica conjunctiva*; countenance full of anxiety; pulse hard, quick, and feeble; frequent and considerable discharges of blood from the rectum; costive and knotty evacuations from the bowels; urine scanty and high coloured. His mouth and tongue parched and coated; great tenderness about the liver, and, as I fancied, considerable enlargement and induration; and in-

deed a mass of more disease, or a case of greater difficulty, could scarcely have presented itself. My first mode of treatment was to evacuate the bowels by gentle laxatives, ordering mucilaginous drinks and simple farinaceous food; I then directed mild mercurial friction on the right side, considering that by stimulating the liver, I might to a certain extent prevent the formidable discharges of blood from the rectum, by relieving the obstructed portal circulation: every variety of untoward symptoms occurred, which were to be combated only by constant and vigilant care; the main point, viz., the improved condition of the digestive functions, was never lost sight of. The mild alterative system was rigidly adopted. The strictest attention to diet was observed. Cold injections every morning were thrown into the rectum; and ultimately the remedies in the most triumphant manner subdued the disease, and the patient, at this time, is in a state of convalescence.

CASE XXIII.

A GENTLEMAN of considerable reputation at the bar, between 40 and 50 years of age, had been for many years a martyr to spasmodic asthma. I believe there was scarcely a remedy he had not tried, or a physician of any eminence that he had not consulted. Two years ago, the disease had made such innovations upon his general health, that he was, as a last resource, recommended by his physician to try the effects of a continental tour, and a residence in the more genial climates of Italy and Switzerland. He continued abroad for many months, sometimes exchanging the mountain air for that of the valley; but the attacks returned in spite of all his perseverance, and he was frequently compelled to submit to bleeding to allay the severity of the paroxysms. In August of last year he returned to England, without having experienced the slightest benefit; and despairing of any remedies from the usual medical routine, he was induced to adopt a peculiar system of empiricism

which of late has had so many votaries and victims; but all proved in vain. The disease continued with violence, and its distressing effects were more evident. The constitution of the patient appeared to be in a greater degree undermined, and with the approach of winter the prospect of recovery or relief was but faint, and the hopes of his anxious family began to darken. Mere chance induced this gentleman to consult me; my remedies at first could only be of a temporary nature, for his paroxysms were most severe and painful, and required every immediate effort to relieve them. I easily perceived that this disease was much controlled by the impaired state of his general health, for the bowels were never evacuated but by medicine. The secretions from the liver were defective and ill-conditioned; the tongue was loaded, and the mouth parched and dry. The nights were sleepless; the urine varied in its character and appearance; the pulse was hard and frequent; the skin retained a clammy moisture; the appetite was uncertain, and all the symptoms of indigestion presented themselves in the most

formidable array. But his mind was calm and he possessed great fortitude and patience, for a murmur never escaped him.

The first object to attain was to allay the severity of the paroxysms of dyspnœa, and which, by the usual remedies, was happily accomplished. I then prescribed purgatives to be taken on alternate days for a week, and afterwards the mild alterative mode of treatment to be followed, with the strictest attention to diet. A few weeks passed on with diminished suffering; the general health bore decided marks of improvement, and in a few months this gentleman was so far restored to health, that he not only remained in his native country, but was enabled to resume his professional duties. The treatment of this important case will, I conceive, fully justify the remarks I have deemed necessary to introduce on the subject of Asthma; and I content myself with referring the reader to them.

CASE XXIV.

A GENTLEMAN residing at Wanstead, aged 45, consulted me in January, 1842. He had been suffering for several weeks with pains in his limbs, loss of appetite, general debility; he was much emaciated, his countenance dejected and tinged with a yellow hue; his eyes sunken and glassy, the *tunica conjunctiva* yellow; the skin hot and dry; his nights restless; pains in his right shoulder; the evacuations from the bowels slimy, with muco-purulent discharges; the urine scanty and high coloured, with a brick-dust sediment; his mouth parched and tongue loaded. The case presented a melancholy aspect, and was deeply interesting to me, for as a neighbour and a friend I had enjoyed the society of the patient for twenty years; he was a person of great mental attainments, and had been distinguished for manly exercises; the contrast was painful in the extreme; his patience and fortitude never forsook him, yet the ravages that disease had

made were too evident. The disorder had been in existence for several years, and had now reached its climax. For many weeks the remedies appeared to have little effect. Notwithstanding he was purged twice a week, and on the intermediate days the alterative system was adopted, he continued dyspeptic, and manifested scarcely any desire for food. In three months he was much improved to all appearance, and then, suddenly, an attack of rheumatism seized him; his limbs became swollen, and he was confined to his bed. These paroxysms recurred frequently during the year 1842, and were very disheartening; his friends became very anxious, and I could not myself conceal the fears and doubts which I entertained of his recovery. Happily the steady perseverance in the remedies and diet suggested finally prevailed, and I had the gratification of seeing a valuable member of society restored to his sphere of usefulness.

CASE XXV.

A LIEUTENANT in the Bengal Artillery arrived in England last December, for the purpose of placing himself under my care. He was much emaciated, and fears for his recovery had been entertained throughout the passage, as he appeared to be gradually declining. He was a mere skeleton ; his eyes were sunken, yellow, and glassy ; his skin was dry and horny ; his pulse feeble and quick ; his tongue loaded with a white tenacious fur ; fœtor of the breath ; constipated bowels, with discharges of blood, and piles ; urine scanty and high-coloured ; respiration hurried and quick ; pain and constriction in the region of the heart, and palpitations. A more awful effect of an Indian climate upon a European constitution could not have been contemplated ; great caution was therefore required in the management of so fragile a subject. I directed him to have his residence in the vicinity of London ; that he should be occasionally taken

out in a carriage; that his diet should consist of farinaceous food and animal jellies; all stimulants to be avoided; perfect repose and quietude; and his mind to be amused with music or reading. I then ordered enemata of mutton broth to be thrown up twice daily; and for the first month, gentle laxatives of manna and senna occasionally to be taken. He appeared to rally under this simple plan. At the end of a month I was enabled to commence my mode of treatment. Mercurial frictions were employed for a month, every other night, over the region of the liver, until a slight degree of ptyalism was induced. During the next month I prescribed my usual alterative doses, and made slight alterations in his diet. By this time he was enabled to take exercise with but little comparative fatigue. His spirits, which had been much dejected, were improved; there were, occasionally, paroxysms of despair (a symptom I have frequently witnessed in these tropical diseases), but eventually, after a rigid attention to the rules suggested, he completely recovered, and is now sojourning with his family in Devonshire, prior to his return to India.

CASE XXVI.

A GENTLEMAN, residing at Croydon, applied to me in 1842. He was extremely emaciated; his countenance anxious and distressed, and complained of pains in the region of the stomach. I found his pulse quick and hard, the tongue coated, and fauces dry, with constant thirst; his appetite inordinate, and constantly rejecting his food; the bowels costive and irregular, seldom having relief but by medicine; the secretion clay-coloured and slimy; his urine with a red sediment and scanty; nights restless. The eyes appeared glassy, and a yellow tinge on the *tunica conjunctiva*. Indeed, a more hopeless or distressing case could not be imagined, for scarcely a redeeming symptom presented itself. He had been gradually sinking for the last three years, and I confess my hopes of success were but limited. His profession was an arduous one, and involved great responsibilities: this, of course, had tended much to increase his impend-

ing danger, and rendered it most imperative that some immediate measures should be adopted for his safety. His life was most valuable, and deservedly prized by his amiable family, and an object of exceeding interest to a large circle of friends; indeed, I may add, to the town he had resided in for many years. My first attention was to allay the irritability of the stomach by means of hydrocyanic acid and saline purgatives, to recommend a farinaceous diet, with gentle exercise in the open air, retirement from professional duties, with change of scene.

My dietary and medical treatment were faithfully observed, yet weeks passed on without apparent benefit; but gradually the stomach became more tranquil. It was nevertheless powerfully impressed upon my mind, that all these symptoms arose from *indigestion*; and I directed my remedies to the removal of that formidable disease. I now prescribed undebilitating doses of mercury, with gentle purgatives. My patient was eventually enabled to resume his accustomed exercise on horseback, and to take

a tour round the coast. The mild and alterative system of treatment was persevered in for many months, the various grades of disease gradually assuming a milder aspect; but in spite of all these salutary measures, the most untoward symptoms frequently supervened, and required great vigilance and management to combat their effects. At length the steady perseverance in this mode of treatment triumphed, and I have had the gratification, for several years, of seeing my patient restored to health, merely requiring occasional doses to correct any little deviation. I believe no case can more fully develope this fact,—that however arduous professional duties may have been, and have impaired the general health, yet, unless organic disease has actually taken place, the attention to regimen and diet, with the mild alterative system, will prevail.

In concluding my remarks, I may mention that the gentleman here alluded to, a few days since (July 1852), has reminded me that amidst the numerous cases described in this work, his own had been omitted; and suggested the

propriety of introducing it in any future editions, under the impression that its publication might tend to benefit mankind at large.

THE foregoing cases will afford sufficient testimony of the efficacy of that mode of treatment which I have recommended, and which appears to be most calculated to alleviate the varied and distressing symptoms enumerated. And now, by way of enforcing more fully the grand object to be acquired in treating of these diseases, viz. the obtaining a due and healthy action of the digestive organs (whose derangement must be considered as forming its basis), I shall enumerate the most essential remedies.

First, The food should be proportioned to the state of the stomach, both as to quantity, quality, and frequency. "Nothing more is requisite for this purpose than to live up to the simplicity dictated by nature, which teaches us

to be content with little; to pursue the medium of holy abstemiousness and divine reason, and to accustom ourselves to eat no more than is absolutely necessary to support life; considering that what exceeds this is disease and death, and done merely to give the palate a satisfaction which, though but momentary, brings on the body a long and lasting train of disagreeable sensations and diseases, and at length kills the soul."* Too much attention cannot be paid, either to the character of the food, or to the frequency and quantity; and we should always remember that the greatest and most serious ills have been produced more by repletion than inanition. Dr. Combe says, "It would be a mere waste of time to lay down any exact diet for general adoption: men differ so much from each other, and in their employments, ages, and modes of life, and the same individual differs so much at different times, even from himself, as to render any invariable rule a sheer absurdity." After each meal, the patient should be indulged by sleeping, in a gently reclining position, as

* Lewis Cornaro on Health and Longevity.

digestion goes on more rapidly when the mind as well as the body is unemployed.* This fact has been fully proved by some experiments made by the late Professor of Anatomy in the University of Cambridge, Sir Busie Harwood. He fed two spaniels, who were in high health and spirits, with animal and farinaceous food at the same time. The one was allowed to sleep on a mat before the fire; the other was occupied immediately after in the pursuit of game. After a lapse of five hours they were both killed. On examining the stomach of the one that had been sleeping, it was discovered to have performed its office most efficiently, while the other's was found distended with food in a crude and undigested state.

During the Peninsular war, while serving as an army surgeon, I had many opportunities of witnessing the varied effects of repletion and inanition of the stomach. Some soldiers were so ravenous at the end of their march, that they

* "Semper autem post cibum conquiescere ac neque intendere animum, neque ambulatione quamvis tenui dimoveri."
—*Celsus*, lib. i. p. 23.

waited with the greatest impatience till their rations of food could be served out, and, frequently regardless of its condition, swallowed it hastily; while others, whose nervous sensations of hunger were less acute, or who, desirous of having their meals in more comparative comfort, refreshed their wearied limbs, pitched their tents, and, indifferent as the food frequently was, appeared to enjoy it. The former soldiers soon gave way under long-continued or harassing marches; while the latter, with the same exertions, contended against the exhaustion made on their animal powers, and were but little affected.

Walking and horse exercise must be regarded as most important objects in regulating the animal œconomy; and it has been a matter of general observation, that persons, whose duty has imposed upon them the necessity of daily walking a certain number of miles, have been less susceptible of disease, and their lives have been prolonged beyond the usual scale of human existence: while also, the Arab, whose life is passed upon "his fiery steed," bids defiance to

the “warring of elements,” endures fatigue without suffering, enjoys uninterrupted health, and subsists on the most precarious supply of food.

A sportsman, habituated to ease and luxury, will rise with the sun, undergo the most laborious exercise in hunting a stag, hare, or fox, for the space of half a day, not only without fatigue, but with benefit to health, owing to the amusement and hilarity which the mind enjoys: but were the same gentleman compelled to go through half as much exercise which afforded no amusement, his fatigue and disgust would be insupportable. This is every day the miserable experience of men who were once engaged in the habits of industrious trade and bustle, and whose success and wealth have encouraged and enabled them to retire from business: they find life a burthen, and, not having a pleasing object to encourage exercise, they acquire a painful *ennui*, and find they have exchanged the *otia* for the *tædia vitæ*. It is here that various exercises have been suggested as *succedanea*; but, alas! they all fail, because they want the pleasurable zest. The dumb-bell is tugged, the feet and

legs are dragged along the walks and avenues of a garden, but alike uselessly.*

Secondly, The biliary secretion should be correct, both as to quantity and quality; and in cases where the liver has imperfectly performed its office, the advantages of undebilitating doses of mercury must be apparent by the visible alterations in the colour of the evacuations, from having the appearance of clay, and then assuming that of wetted rhubarb, which is to be considered as one of its most healthy indications. The precise qualities of the biliary secretion have never been fully developed: some physiologists have asserted that it is intended to be mixed up with the chyme, after it has passed through the pylorus, to supply the deficient principles of the blood;† while others have given it as their opinion, that it is for the purpose of lubricating the intestinal coat, and gradually exciting its peristaltic action, as it is observed in constipated habits to be very defective:‡ thus

* Dr. Kitchener's Art of Invigorating and Prolonging Life.

† Richerand's Elements of Physiology, p. 183.

‡ The bile seems to be a necessary stimulus for the peristaltic motions of the intestines; for where its flow is arrested, constipation is the result.—*Müller's Physiology*, p. 556.

much may be remarked, as the liver is the largest organ in the body, it would argue an absurdity in the animal economy, not to infer that it had a most extensive and most important office to perform. It would appear presumptuous in me to offer an opinion on a subject that has engrossed the attention of so many learned and eminent men; but thus much, perhaps, I may be allowed to observe, that, in all cases, the gradual improvement in the secretion of the liver is accompanied by a corresponding amendment in the general health of the patient; and consequently the effecting of that improvement may be ranked as the *sine quâ non* of the medical art.

Thirdly, The evacuations from the bowels should take place regularly once in twenty-four hours. This would seem of importance to ensure a continuance of health: and must be of equal, or rather of much greater importance, when the irritating qualities of crude and undigested food, lodging in the intestinal canal, affect and obstruct the whole system; the removal of such obstructions becomes indispensable. Hence the

necessity of frequent evacuants. Dr. Armstrong, in his excellent work on fevers, has proved that repeated purgatives, after violent febrile attacks, by removing all crudities, improve the secretions, and consequently increase the powers of digestion.

It may be argued, if sleep is so essential to digestion, why avoid suppers? But I would observe, at that period nature requires rest, to compensate for the waste of the body during the exertions of the day; and it is too much to impose on the system the additional duty of digestion, instead of leaving it to its repose: independently of this, there is an increased volume of blood determined to the head by the pressure of a distended stomach on the aorta; and, as the brain is thus compressed, such a state must not only interrupt the functions of that organ in the distribution of its blood for the repair of different parts of the body, and, consequently, destroy that equilibrium in the circulation which is essential to the maintenance of health, but frequently occasion all the symptoms of apoplexy, and ultimately sudden death.

Indeed, when this equilibrium is impaired, that organ which may be most deranged in its functions, and, consequently, predisposed to assume any improper bias, appropriates to itself the balance so lost, and becomes the seat of disorder, in proportion to the nature and extent of its office. Hence, we often witness the baneful effects of cold occasioned by wet feet, or any check to the secretions of the skin. The part receiving the injury does not become the seat of disease, but the brain, lungs, liver, or any organ most susceptible of morbid action, becomes the object of attack. By due attention to these important points, the patients feel themselves proportionably relieved; and this is generally considered as forming the most infallible criterion of returning health.

In further animadverting on the disadvantages arising from dram-drinking, tea-drinking, and other habits, which are become so general, and prove so highly detrimental to all the nervous and muscular energy in the human frame, I cannot enforce the necessity of attending to these observations better than in the

words of the celebrated Haller :—" We see thence how a weakening of the fabric, by excess of dram-drinking, tea-drinking, and lewdness, has reduced the old athletic British constitution of our ancestors, to the modern puny tenuity of habit, obnoxious daily to a train of nervous and other disorders, almost unknown to our progenitors." *

Since the first publication of these observations, considerable light has been thrown upon the process of digestion by the experiments of Dr. Beaumont, of the United States. He had the rare opportunity of studying, during several years, the process of digestion in a man named St. Martin, who came under his care in consequence of having received a gun-shot wound, which left an opening two inches below the left mamma, in a line drawn from that part to the left spine of the ileum, which communicated with the stomach at its upper part, near the upper extremity of the great curvature, and three inches from the cardiac orifice. The

* Mihles' Translation of Haller's Physiological Lectures, vol. i. p. 25.

borders of the opening into the stomach, which was considerable, had united, in healing, with the margins of the external wound; but the cavity of the stomach was at last cut off from the exterior by a fold of mucous membrane, which projected from the upper and back part of the opening, and closed it like a valve, but could be pushed back by the fingers. If, while St. Martin lay on his back, pressure was made with the hand in the situation of the liver, and the body turned at the same time on the left side, bile flowed through the pylorus, and could be drawn off by an elastic gum tube introduced into the stomach: sometimes too, though rarely, bile was found mixed with the gastric juice, when the above manœuvre had been practised. Chyme was obtained from the stomach by applying the hand to the lower part of the epigastric region, and directing pressure upwards. When the stomach was full, mere pressure upon the valvular fold which closed the opening was sufficient to cause an escape of the contents. The stomach while empty could be explored to the depth of five or six inches by artificial distension.

The food and drink could in this manner be seen to enter it. Dr. Beaumont has kept a complete journal of the digestive process in this man. The following Table shows the time required for the digestion of different kinds of food which were taken.

A TABLE showing the Mean Time of Digestion of the
different Articles of Diet.

ARTICLES OF DIET	PREPARATION.	MEAN TIME OF CHYMIFICATION.	
		<i>hours.</i>	<i>min.</i>
Rice	boiled . .	1	0
Pigs' feet, soused	boiled . .	1	0
Tripe, soused	boiled . .	1	0
Eggs, whipped	raw . . .	1	30
Trout, salmon, fresh	boiled . .	1	30
Trout, salmon, fresh	fried . . .	1	30
Soup, barley	boiled . .	1	30
Apples, sweet, mellow	raw . . .	1	30
Venison steak	broiled . .	1	35
Brains, animal	boiled . .	1	45
Sago	boiled . .	1	45
Tapioca	boiled . .	2	0
Barley	boiled . .	2	0
Milk	boiled . .	2	0
Liver, beef's, fresh	broiled . .	2	0
Eggs, fresh	raw . . .	2	0
Cod fish, cured dry	boiled . .	2	0
Apples, sour, mellow	raw . . .	2	0
Cabbage, with vinegar	raw . . .	2	0
Milk	raw . . .	2	15
Eggs, fresh	roasted . .	2	15
Turkey, wild	roasted . .	2	18
Turkey, domestic	boiled . .	2	25
Gelatine	boiled . .	2	30
Turkey, domestic	roasted . .	2	30
Goose, wild	roasted . .	2	30
Pig, sucking	roasted . .	2	30
Lamb, fresh	broiled . .	2	30
Hash, meat and vegetables	warmed . .	2	30
Beans, pod	boiled . .	2	30
Cake, sponge	baked . . .	2	30
Parsnips	boiled . .	2	30
Potatoes, Irish	roasted . .	2	30
Potatoes, Irish	baked . . .	2	30
Cabbage, head	raw . . .	2	30

ARTICLES OF DIET.	PREPARATION.	MEAN TIME OF CHYMIFICATION.	
		hours.	min.
Spinal marrow, animal	boiled . .	2	40
Chicken, full grown	fricasseed .	2	45
Custard	baked . .	2	45
Beef, with salt only	boiled . .	2	45
Apples, sour, hard	raw . .	2	50
Oysters, fresh	raw . .	2	55
Eggs, fresh	soft boiled.	3	0
Bass, striped, fresh	broiled . .	3	0
Beef, fresh, lean, rare	roasted . .	3	0
Beef-steak	broiled . .	3	0
Pork, recently salted	raw . .	3	0
Pork, recently salted	stewed . .	3	0
Mutton, fresh	broiled . .	3	0
Mutton, fresh	boiled . .	3	0
Soup, bean	boiled . .	3	0
Chicken soup	boiled . .	3	0
Aponeurosis	boiled . .	3	0
Dumpling, apple	boiled . .	3	0
Cake, corn	baked . .	3	0
Oysters, fresh	roasted . .	3	15
Pork, recently salted	broiled . .	3	15
Pork-steak	broiled . .	3	15
Mutton, fresh	roasted . .	3	15
Bread, corn	baked . .	3	15
Carrot, orange	boiled . .	3	15
Sausage, fresh	broiled . .	3	20
Flounder, fresh	fried . .	3	30
Cattfish, fresh	fried . .	3	30
Oysters, fresh	stewed . .	3	30
Beef, fresh, lean, dry	roasted . .	3	30
Beef, with mustard, &c. . . .	boiled . .	3	30
Butter	melted . .	3	30
Cheese, old strong	raw . .	3	30
Soup, mutton	boiled . .	3	30
Oyster soup	boiled . .	3	30
Bread, wheat, fresh	baked . .	3	30
Turnips, flat	boiled . .	3	30
Potatoes, Irish	boiled . .	3	30
Eggs, fresh	hard boiled	3	30

ARTICLES OF DIET.	PREPARATION.	MEAN TIME OF CHYMIFICATION.	
		<i>hours. min.</i>	
Eggs, fresh	fried . . .	3	30
Green corn and beans	boiled . . .	3	45
Beets	boiled . . .	3	45
Salmon, salted	boiled . . .	4	0
Beef	fried . . .	4	0
Veal, fresh	broiled . . .	4	0
Fowls, domestic	boiled . . .	4	0
Fowls, domestic	roasted . . .	4	0
Ducks, domestic	roasted . . .	4	0
Soup, beef, vegetable, and bread	boiled . . .	4	0
Heart, animal	fried . . .	4	0
Beef, old hard, salted	boiled . . .	4	15
Pork, recently salted	fried . . .	4	15
Soup, marrow-bones	boiled . . .	4	15
Cartilage	boiled . . .	4	15
Pork, recently salted	boiled . . .	4	30
Veal, fresh	fried . . .	4	30
Ducks, wild	roasted . . .	4	30
Suet, mutton	boiled . . .	4	30
Cabbage	boiled . . .	4	30
Pork, fat and lean	roasted . . .	5	15
Tendon	boiled . . .	5	30
Suet, beef, fresh.	boiled . . .	5	30

THE END.

London, Princes Street, Soho, N.

April, 1853.

MR. CHURCHILL'S
Publications,
IN
MEDICINE, SURGERY,
AND
SCIENCE.



"It would be unjust to conclude this notice without saying a few words in favour of Mr. Churchill, from whom the profession is receiving, it may be truly said, the most beautiful series of Illustrated Medical Works which has ever been published."—*Lancet*.

"All the publications of Mr. Churchill are prepared with so much taste and neatness, that it is superfluous to speak of them in terms of commendation."—*Edinburgh Medical and Surgical Journal*.

"No one is more distinguished for the elegance and *recherché* style of his publications than Mr. Churchill."—*Provincial Medical Journal*.

"Mr. Churchill's publications are very handsomely got up: the engravings are remarkably well executed."—*Dublin Medical Press*.

"The typography, illustrations, and getting up are, in all Mr. Churchill's publications, most beautiful."—*Monthly Journal of Medical Science*.

"Mr. Churchill's illustrated works are among the best that emanate from the Medical Press."—*Medical Times*.

"We have before called the attention of both students and practitioners to the great advantage which Mr. Churchill has conferred on the profession, in the issue, at such a moderate cost, of works so highly creditable in point of artistic execution and scientific merit."—*Dublin Quarterly Journal*.

Mr. CHURCHILL is the Publisher of the following Periodicals, offering to Authors a wide extent of Literary Announcement, and a Medium of Advertisement, addressed to all Classes of the Profession. COMMUNICATIONS, BOOKS for REVIEW, addressed to the respective Editors, are received and duly forwarded by Mr. Churchill.

THE BRITISH AND FOREIGN MEDICO-CHIRURGICAL REVIEW;
OR,
QUARTERLY JOURNAL OF PRACTICAL MEDICINE.

Price Six Shillings. Nos. 1 to 22.

THE MEDICAL TIMES AND GAZETTE.

Published Weekly, price Sevenpence, or Stamped, Eightpence.
Annual Subscription, £1. 10s., or Stamped, £1. 14s. 8d., and regularly forwarded to all parts of the Kingdom.

The MEDICAL TIMES AND GAZETTE is favoured with an amount of Literary and Scientific support which enables it to reflect fully the progress of Medical Science, and insure for it a character, an influence, and a circulation possessed at the present time by no Medical Periodical.

**THE HALF-YEARLY ABSTRACT OF THE
MEDICAL SCIENCES.**

Being a Digest of the Contents of the principal British and Continental Medical Works; together with a Critical Report of the Progress of Medicine and the Collateral Sciences. Edited by W. H. RANKING, M.D., Cantab., and C. B. RADCLIFFE, M.D., Lond. Post 8vo. cloth, 6s. 6d. Vols. 1 to 16.

**THE JOURNAL OF PSYCHOLOGICAL MEDICINE
AND MENTAL PATHOLOGY.**

Being a Quarterly Review of Medical Jurisprudence and Insanity. Edited by FORBES WINSLOW, M.D. Price 3s. 6d. Nos. 1 to 22.

THE PHARMACEUTICAL JOURNAL.

EDITED BY JACOB BELL, F.L.S., M.R.I.

Published Monthly, price One Shilling.

Under the sanction of the PHARMACEUTICAL SOCIETY, whose TRANSACTIONS form a distinct portion of each Number.

* * Vols. 1 to 11, bound in cloth, price 12s. 6d. each.

THE DUBLIN MEDICAL PRESS.

Published Weekly, Stamped, price Sixpence, free to any part of the Empire.

THE LONDON AND PROVINCIAL MEDICAL DIRECTORY.

Published Annually. 12mo. cloth, 7s. 6d.

Splendid Presentation Book.

Complete in Nine Fasciculi: imperial 4to., 20s. each;

half-bound morocco, gilt tops, 9l. 15s.;

whole bound morocco, 10l. 10s.

PATHOLOGY OF THE HUMAN EYE.

ILLUSTRATED IN A SERIES OF COLOURED PLATES,
FROM ORIGINAL DRAWINGS.

By JOHN DALRYMPLE, F.R.S., F.R.C.S.

The Publisher has the high satisfaction of announcing the completion of this beautiful work. Mr. Dalrymple had revised the last proof sheet, and the Artist had finished the last plate, a few days only previous to the lamented death of the Author, who thus leaves a monument to his scientific reputation, and of his ardent devotion to his Profession.

"A work reflecting credit on the profession has been brought to a successful conclusion. Had Mr. Dalrymple's life been spared but a few short months longer, the chorus of praise which now greets the completion of this great work would have fallen gratefully on his ear. The Publisher may well be proud of having issued such a work."—*London Journal of Medicine*.

"The satisfaction with which we should have announced the completion of this unrivalled work is overclouded by the regret which we feel, in common with all who were acquainted with its distinguished and estimable author, at his early decease. The value of this work can scarcely be over-estimated: it realizes all that we believe it possible for art to effect in the imitation of nature."—*British and Foreign Medico-Chirurgical Review*.

SURGICAL ANATOMY.

A Series of Dissections, illustrating the Principal Regions of the Human Body.

By JOSEPH MACLISE, F.R.C.S.

The singular success of this Work has exhausted the Edition of 1000 Copies within six months of its completion. Mr. Churchill is happy to announce that the Author is engaged on a New Edition, the First Fasciculus of which will appear on the 1st of May, 1853.

PORTRAITS OF SKIN DISEASES.

By ERASMUS WILSON, F.R.S.

Fasciculi I. to XI., 20s. each. *To be completed in Twelve Numbers.*

"May be truly designated a splendid performance. We can scarcely speak too strongly of the merits of this work."—*British and Foreign Medico-Chirurgical Review*.

"We have never before seen a work more beautifully got up—they excel all other plates of diseases of the skin that have ever been published."—*Lancet*.

MR. ACTON, M.R.C.S.

A PRACTICAL TREATISE ON DISEASES OF THE URINARY
AND GENERATIVE ORGANS OF BOTH SEXES, INCLUDING SYPHILIS.
Second Edition. 8vo. cloth, 20s.; or with Plates, 30s.

"Mr. Acton's work must be diligently studied by every practitioner who would desire to benefit instead of injuring his patient; it has a distinctive and pre-eminently diagnostic value."—*Med. Gazette*.

"The present edition of Mr. Acton's work is very much enlarged, and contains a most valuable collection of matter."—*The Lancet*.

"We cannot too highly recommend this treatise; it should be found wherever Surgery is practised throughout the British Empire."—*Provincial Medical Journal*.

DR. WILLIAM ADDISON, F.R.S., F.L.S.

ON HEALTHY AND DISEASED STRUCTURE, AND THE TRUE
PRINCIPLES OF TREATMENT FOR THE CURE OF DISEASE, ESPECIALLY CONSUMPTION
AND SCROFULA, founded on MICROSCOPICAL ANALYSIS. 8vo. cloth, 12s.

"A work deserving the perusal of every one interested in the late rapid advance of physiology and pathology."—*Medico-Chirurgical Review*.

MR. ANDERSON, F.R.C.S.

I.

HYSTERICAL, HYPOCHONDRIACAL, EPILEPTIC, AND
OTHER NERVOUS AFFECTIONS; their Causes, Symptoms, and Treatment.
8vo. cloth, 5s.

II.

THE SYMPTOMS AND TREATMENT OF THE DISEASES OF
PREGNANCY. Post 8vo. 4s. 6d.

DR. ARMITAGE.

HYDROPATHY AS APPLIED TO ACUTE DISEASE.

Post 8vo. cloth, 3s.

DR. JAMES ARNOTT.

I.

ON THE REMEDIAL AGENCY OF A LOCAL ANÆSTHETIC
OR BENUMBING TEMPERATURE, in various painful and inflammatory Diseases.
8vo. cloth, 4s. 6d.

II.

ON INDIGESTION; its Pathology and its Treatment, by the Local
Application of Uniform and Continuous Heat and Moisture. With an Account of an
improved Mode of applying Heat and Moisture in Irritative and Inflammatory Diseases.
With a Plate. 8vo. 5s.

III.

PRACTICAL ILLUSTRATIONS OF THE TREATMENT OF
OBSTRUCTIONS IN THE URETHRA, AND OTHER CANALS, BY THE
DILATATION OF FLUID PRESSURE. 8vo. boards, 3s.

MR. CHURCHILL'S PUBLICATIONS.

MR. T. J. ASHTON,

SURGEON TO THE BLENHEIM-STREET DISPENSARY.

A TREATISE ON CORNS AND BUNIONS, AND IN-GROWING OF THE TOE-NAIL: their Causes and Treatment. Post 8vo. cloth, 3s. 6d.

"A useful, well conceived, and clearly written little book on a painful class of afflictions, usually as troublesome to the surgeon as to his patient."—*Dublin Medical Journal*.

MR. ATKINSON.

MEDICAL BIBLIOGRAPHY. Vol. I. Royal 8vo. 16s.

"We have never encountered so singular and remarkable a book. It unites the German research of a Plouquet with the ravings of Rabelais,—the humour of Sterne with the satire of Democritus,—the learning of Burton with the wit of Pindar."—*Dr. Johnson's Review*.

"In Mr. Atkinson, I have found a gentleman, and a man of varied talent, ardent and active, and of the most overflowing goodness of heart. In his retirement from an honourable profession (Medicine and Surgery), he knows not what the slightest approximation to ennui is. The heartiest of all the octogenarians I ever saw, he scorns a stretch, and abhors a gape. It is 'up and be doing' with him from sunrise to sunset. His library is suffocated with Koburgers, Frobens, the Ascensii, and the Stephens."—*Dibdin's Northern Tour*.

DR. BASCOMBE.

A HISTORY OF EPIDEMIC PESTILENCES, FROM THE EARLIEST AGES. 8vo. cloth, 8s.

"This work appears very opportunely, and will no doubt attract a considerable share of attention."—*Lancet*.

"This book will be found useful as a work of reference, as it contains a notice of all the most remarkable pestilences that have occurred from 1100 years before the birth of our Saviour to 1848."—*Athenæum*.

MR. BATEMAN.

MAGNACOPIA: A Practical Library of Profitable Knowledge, communicating the general Minute of Chemical and Pharmaceutical Routine, together with the generality of Secret Forms of Preparations; including Concentrated Solutions of Camphor and Copaiba in Water, Mineral Succedaneum, Marinoratum, Silicia, Terro-Metallicum, Pharmaceutic Condensations, Prismatic Crystallization, Crystallized Aromatic Salt of Vinegar, Soda, Seltzer and all Spa Waters; for Bottling without the Use of Machinery; newly-invented Writing Fluids; Etching on Steel or Iron; with an extensive Variety of *et cætera*. Third Edition. 18mo. 6s.

MR LIONEL J. BEALE, M.R.C.S.

THE LAW OF HEALTH IN THEIR RELATIONS TO MIND AND BODY. A Series of Letters from an Old Practitioner to a Patient. Post 8vo. cloth, 7s. 6d.

"We gladly welcome Mr. Beale's work. The observations are those of a most experienced and intelligent practitioner, and do equal credit to his head and heart. It is not to the lay reader only that Mr. Beale's work will be acceptable, and we augur for it an extensive popularity."—*Lancet*.

"Although addressed to the public, a vast variety of excellent practical matter is contained in it, which is calculated to interest the practitioner. It conveys in an agreeable and epistolary style most of the important truths connected with preventive medicine and their practical application on the development and maturity of mind and body. Mr. Beale's volume is calculated to make a favourable impression on the minds of all intelligent readers."—*Dublin Quarterly Journal*.

MR. BEASLEY.

I.

THE DRUGGISTS' GENERAL RECEIPT-BOOK; comprising a copious Veterinary Formulary and Table of Veterinary Materia Medica; Patent and Proprietary Medicines, Druggists' Nostrums, &c.; Perfumery, Skin Cosmetics, Hair Cosmetics, and Teeth Cosmetics; Beverages, Dietetic Articles, and Condiments; Trade Chemicals, Miscellaneous Preparations and Compounds used in the Arts, &c.; with useful Memoranda and Tables. Second Edition. 18mo. cloth, 6s.

"The 'General Receipt Book' is an extensive appendix to the 'Pocket Formulary.' No Pharmacist who possesses the latter ought to be without the former, for the two form a complete Counter Companion."—*Annals of Pharmacy*.

II.

THE POCKET FORMULARY AND SYNOPSIS OF THE BRITISH AND FOREIGN PHARMACOPŒIAS; comprising standard and approved Formulae for the Preparations and Compounds employed in Medical Practice. Fifth Edition, corrected and enlarged. 18mo. cloth, 6s.

"Extremely useful as an adjunct to the shop library; a pocket Pharmacopœia Universalis, containing, in addition to the official formulæ, those magistral preparations which are so continually required at the hands of the dispenser."—*Annals of Chemistry and Pharmacy*.

DR. O'B. BELLINGHAM.

ON ANEURISM, AND ITS TREATMENT BY COMPRESSION.

12mo. cloth, 4s.

"In our opinion, he has conferred a signal benefit upon the art of surgery by his improvement of the mode of employing pressure, and upon the science by his ingenious and philosophical exposition of its operation."—*Medico-Chirurgical Review*.

DR. HENRY BENNET,

OBSTETRIC PHYSICIAN TO THE WESTERN DISPENSARY.

A PRACTICAL TREATISE ON INFLAMMATION AND OTHER DISEASES OF THE UTERUS. Third Edition, revised, with additions. 8vo. cloth, 12s. 6d.

"We are firmly of opinion, that in proportion as a knowledge of uterine diseases becomes more appreciated, this work will be proportionally established as a text-book in the profession."—*Lancet*.

JAMES BIRD, M.D.,

LATE PHYSICIAN-GENERAL, BOMBAY.

A PRACTICAL TREATISE ON THE PATHOLOGY AND TREATMENT OF RHEUMATISM, NEURALGIA, AND COGNATE DISEASES, usually called Pseudo-Syphiloid. Post 8vo. *Nearly ready.*

DR. BLAKISTON, F.R.S.,

LATE PHYSICIAN TO THE BIRMINGHAM GENERAL HOSPITAL.

PRACTICAL OBSERVATIONS ON CERTAIN DISEASES OF THE CHEST; and on the Principles of Auscultation. 8vo. cloth, 12s.

"Dr. Blakiston's production not only gives him a place in the rather thin ranks of sound and accomplished physicians, possessed of a true notion of the importance of their science, and of the means by which it should be cultivated,—but adds to English Medical Literature one of the few really inductive works by which it is adorned."—*Medico-Chirurgical Review*.

MR. CHURCHILL'S PUBLICATIONS.

DR. GOLDING BIRD, F.R.S.

I.

URINARY DEPOSITS; THEIR DIAGNOSIS, PATHOLOGY,
AND THERAPEUTICAL INDICATIONS. With Engravings on Wood. Fourth
Edition. Post 8vo. cloth.

II.

ELEMENTS OF NATURAL PHILOSOPHY; being an Experimental
Introduction to the Study of the Physical Sciences. Illustrated with numerous Engrav-
ings on Wood. Fourth Edition. Fcap. 8vo. *In the Press.*

DR. JOHN W. F. BLUNDELL.

MEDICINA MECHANICA; or, the Theory and Practice of Active and
Passive Exercises and Manipulations in the Cure of Chronic Disease. Post 8vo. cloth. 6s.

MR. JOHN E. BOWMAN,

PROFESSOR OF PRACTICAL CHEMISTRY IN KING'S COLLEGE, LONDON.

I.

PRACTICAL CHEMISTRY, including Analysis. With numerous Illus-
trations on Wood. Foolscap 8vo. cloth, 6s. 6d.

"One of the most complete manuals that has for a long time been given to the chemical student. Every process is indicated with clearness, and the manipulatory details are assisted by an extensive series of woodcuts."—*Athenæum*.

II.

A HAND-BOOK OF MEDICAL CHEMISTRY; with Illustrations on
Wood. Second Edition. Fcap. 8vo. cloth, 6s. 6d.

"We have examined this treatise, and we can recommend it to the student as a useful elementary guide. The illustrations are numerous and accurate, and well calculated to aid diagnosis."—*Medical Gazette*.

DR. JAMES BRIGHT.

ON DISEASES OF THE CHEST AND AIR PASSAGES;
with a Review of the several Clinics recommended in these Affections. Post 8vo.
cloth, 6s.

DR. BUDD, F.R.S.

PROFESSOR OF MEDICINE IN KING'S COLLEGE, LONDON.

ON DISEASES OF THE LIVER.

Illustrated with Coloured Plates and Engravings on Wood. Second Edition. 8vo. cloth, 16s.

"In Dr. Budd's work the practitioner will find abundant instructions upon symptoms and treatment. We hope the specimen we have exhibited will induce many to search the work for themselves."—*Lancet*.

DR. WILLOUGHBY BURSLEM,

SENIOR PHYSICIAN TO THE HLENHEIM STREET DISPENSARY.

PULMONARY CONSUMPTION AND ITS TREATMENT. Post
8vo. cloth, 5s.

"We find a series of original and important observations on the state of the periodical functions of the female in relation to the development and treatment of phthisis, and a commentary on the various phenomena of the disease, which impress us with the conviction that the author is as painstaking in his literary pursuit of knowledge as he is evidently a practical physician."—*Lancet*.

MR. CHURCHILL'S PUBLICATIONS.

DR. BUSHNAN.

I.

HOMŒOPATHY AND THE HOMŒOPATHS.

Fcap. 8vo. cloth, 5s.

II.

MISS MARTINEAU AND HER MASTER.

Fcap. 8vo. 5s.

DR. CARPENTER, F.R.S.

I.

PRINCIPLES OF HUMAN PHYSIOLOGY. With numerous Illustrations on Steel and Wood. Fourth Edition. 8vo. cloth, 28s.

II.

PRINCIPLES OF PHYSIOLOGY, GENERAL AND COMPARATIVE. Illustrated with 321 Engravings on Wood. Third Edition. 8vo. cloth, 28s.

"It is our opinion that, whether for reference or study in the subject to which it especially refers, no better book than Dr. Carpenter's 'Principles of Physiology, General and Comparative,' can be placed in the hands of student or practitioner."—*Medical Gazette*.

"This is a truly admirable digest of General and Comparative Physiology. We congratulate the professional public and the student on the possession of a book which will enable them to connect their anatomical and physiological knowledge with the whole range of the natural sciences."—*Edinburgh Monthly Journal*.

"The recent progress of the science of Physiology has been nowhere better marked in the literature of this country than in the works of Dr. Carpenter."—*Athenæum*.

III.

A MANUAL OF PHYSIOLOGY. With numerous Illustrations on Steel and Wood. Second Edition. Fcap. 8vo. cloth, 12s. 6d.

"Dr. Carpenter has brought up his Manual, in this new and beautiful edition, to the present state of physiological science. The work is complete. We recommend it as an admirable text-book."—*London Journal of Medicine*.

"We can strongly recommend this volume to the student. This second edition contains the latest additions to physiological science."—*Medical Gazette*.

MR. ROBERT B. CARTER, M.R.C.S.

THE PATHOLOGY AND TREATMENT OF HYSTERIA. 8vo. cloth, 4s. 6d.

MR. H. T. CHAPMAN, F.R.C.S.

THE TREATMENT OF OBSTINATE ULCERS AND CUTANEOUS ERUPTIONS OF THE LEG WITHOUT CONFINEMENT. Second Edition. Post 8vo. cloth, 3s. 6d.

"Mr. Chapman has done much by directing the attention of the profession to the advantages of this combined treatment. We have read his work with much pleasure, and have used the compress, straps of linen, and roller, as directed, and have found them to answer admirably well."—*Dublin Quarterly Medical Journal*.

DR. JOHN GREEN CROSSE, F.R.S.

CASES IN MIDWIFERY, arranged, with an Introduction and Remarks by EDWARD COPEMAN, M.D., F.R.C.S. 8vo. cloth, 7s. 6d.

MR. CHURCHILL'S PUBLICATIONS.

DR. G. C. CHILD.

ON INDIGESTION, AND CERTAIN BILIOUS DISORDERS
OFTEN CONJOINED WITH IT. 8vo. cloth, 5s. 6d.

"Dr. Child has written a very sensible book. Notwithstanding the triteness of the subject, we have read it through with considerable interest, and not without instruction. The author thinks clearly, and expresses himself with perspicuity and conciseness. He has brought to bear on the topics of which he treats no small amount of experience, reading, and reflection."—*Monthly Journal of Medical Science*.

SIR JAMES CLARK, M.D., BART.,

PHYSICIAN TO THE QUEEN.

THE SANATIVE INFLUENCE OF CLIMATE. With an Account
of the Principal Places resorted to by Invalids in England, South of Europe, the Colonies, &c. Fourth Edition, revised. Post 8vo. cloth, 10s. 6d.

DR. CONOLLY.

THE CONSTRUCTION AND GOVERNMENT OF LUNATIC
ASYLUMS AND HOSPITALS FOR THE INSANE. With Plans. Post 8vo.
cloth, 6s.

MR. BRANSBY B. COOPER, F.R.S.,

SENIOR SURGEON TO GUY'S HOSPITAL.

LECTURES ON THE PRINCIPLES AND PRACTICE OF SUR-
GERY. 8vo. cloth, 21s.

"Mr. Cooper's book has reminded us, in its easy style and copious detail, more of Watson's Lectures, and we should not be surprised to see it occupy a similar position to that well-known work in professional estimation."—*Medical Times*.

"We cordially recommend Mr. Cooper's Lectures as a most valuable addition to our surgical literature, and one which cannot fail to be of service both to students and to those who are actively engaged in the practice of their profession."—*Lancet*.

MR. W. WHITE COOPER,

OPHTHALMIC SURGEON TO ST. MARY'S HOSPITAL.

ON NEAR SIGHT, AGED SIGHT, IMPAIRED VISION,
AND THE MEANS OF ASSISTING SIGHT. With 31 Illustrations on Wood.
Second Edition. Fcap. 8vo. cloth, 7s. 6d.

MR. COOPER,

LATE PROFESSOR OF SURGERY IN THE UNIVERSITY COLLEGE, LONDON.

A DICTIONARY OF PRACTICAL SURGERY; comprehending all
the most interesting Improvements, from the Earliest Times down to the Present Period.
Seventh Edition. One very thick volume, 8vo., 1l. 10s.

MR. COOLEY.

COMPREHENSIVE SUPPLEMENT TO THE PHARMACOPEIAS.

THE CYCLOPÆDIA OF PRACTICAL RECEIPTS, AND COL-
LATERAL INFORMATION IN THE ARTS, MANUFACTURES, AND
TRADES, INCLUDING MEDICINE, PHARMACY, AND DOMESTIC ECO-
NOMY; designed as a Compendious Book of Reference for the Manufacturer, Trades-
man, Amateur, and Heads of Families. Second Edition, in one thick volume of 800
pages. 8vo. cloth, 14s.

MR. CHURCHILL'S PUBLICATIONS.

SIR ASTLEY COOPER, BART., F.R.S.

I.

A TREATISE ON DISLOCATIONS AND FRACTURES OF THE JOINTS. New Edition, much enlarged. Edited by BRANSBY B. COOPER, F.R.S. With 126 Engravings on Wood, by BAGG. 8vo. cloth, 20s.

"In this work we find the last, the most matured views of its venerable author, who, with unexampled zeal, continued to almost the last moment of his life to accumulate materials for perfecting his works. Every practical surgeon must add the present volume to his library. The graphic, the almost speaking force of the unequalled illustrations, the copious addition of valuable and instructive cases, combine to render the present edition indispensable."—*British and Foreign Medical Review*.

II.

ON THE STRUCTURE AND DISEASES OF THE TESTIS.

Illustrated with 24 highly-finished Coloured Plates. Second Edition. Royal 4to.

Reduced from £3. 3s. to £1. 10s.

DR. COTTON.

ASSISTANT-PHYSICIAN TO THE HOSPITAL FOR CONSUMPTION, BROMPTON.

I.

ON CONSUMPTION: Its Nature, Symptoms, and Treatment. To which Essay was awarded the Fothergillian Gold Medal of the Medical Society of London. 8vo. cloth, 8s.

"Notwithstanding the hackneyed nature of the subject, and the multitude of works which have appeared upon phthisis, the present work is of very considerable interest, from the clear and simple manner in which it is arranged, and from the use made by the author of the ample materials placed at his disposal at the Brompton Hospital."—*Medical Times*.

II.

PHTHISIS AND THE STETHOSCOPE: a concise Practical Guide to the Physical Diagnosis of Consumption. Foolscap 8vo. cloth, 3s. 6d.

MR. COULSON,

SRGEON TO ST. MARY'S HOSPITAL.

I.

ON DISEASES OF THE BLADDER AND PROSTATE GLAND.

The Fourth Edition, revised and enlarged. 8vo. cloth, 10s. 6d.

"Mr. Coulson's work may be stated to be full and practical, to fill a vacant space in Medical Literature, and to be highly valuable to both students and practitioners."—*Medical Times*.

"The practical and comprehensive character of Mr. Coulson's volume claims for it a place in the library of every surgeon who desires to be on a level with modern improvements."—*London Journal of Medicine*.

II.

ON LITHOTRITY AND LITHOTOMY; with Engravings on Wood.

8vo. cloth, 8s.

MR. CRITCHETT, F.R.C.S.

ON THE CAUSES AND TREATMENT OF ULCERS OF THE LOWER EXTREMITY. 8vo. cloth, 5s.

"We earnestly recommend this treatise to the study of surgeons: it is eminently practical, and contains the results of long and careful observation, without any taint of the empirical advocacy of one method of treatment."—*Edinburgh Medical and Surgical Journal*.

MR. CHURCHILL'S PUBLICATIONS.

DR. HERBERT DAVIES,

SENIOR PHYSICIAN TO THE ROYAL INFIRMARY FOR DISEASES OF THE CHEST.

ON THE PHYSICAL DIAGNOSIS OF DISEASES OF THE LUNGS AND HEART. Post 8vo. cloth, 7s.

"A work destined to form the opinions of the young, and correct those of maturer years."—*London Journal of Medicine*.

"A book well worthy of the closest study of the profession."—*Medical Gazette*.

DR. TOOGOOD DOWNING.

NEURALGIA: its various Forms, Pathology, and Treatment. THE JACKSONIAN PRIZE ESSAY FOR 1850. 8vo. cloth, 10s. 6d.

"Dr. Downing has presented an excellent digest of the literary history of Neuralgic Diseases, and has brought extensive personal experience to the study of this important and obscure class of diseases, whence he has deduced new and instructive inferences to elucidate their pathology and treatment."—*Medical Gazette*.

MR. DRUITT, F.R.C.S.

THE SURGEON'S VADE-MECUM; with numerous Engravings on Wood. Fifth Edition. Foolscap 8vo. cloth, 12s. 6d.

DR. DUNDAS,

PHYSICIAN TO THE NORTHERN HOSPITAL, LIVERPOOL, ETC.

SKETCHES OF BRAZIL; including New Views on Tropical and European Fever; with Remarks on a Premature Decay of the System, incident to Europeans on their Return from Hot Climates. Post 8vo. cloth, 9s.

DR. JOHN C. EGAN,

FORMERLY SURGEON TO THE WESTMORELAND LOCK HOSPITAL.

SYPHILITIC DISEASES: THEIR PATHOLOGY, DIAGNOSIS, AND TREATMENT: including Experimental Researches on Inoculation, as a Differential Agent in Testing the Character of these Affections. 8vo. cloth, 9s.

"This is an interesting practical work, and as such it is worthy of the attention of the profession."—*Lancet*.

SIR JAMES EYRE, M.D.

THE STOMACH AND ITS DIFFICULTIES. ^{I.} Second Edition. Post 8vo. cloth, 5s.

PRACTICAL REMARKS ON SOME EXHAUSTING DISEASES. ^{II.} Second Edition. Post 8vo. cloth, 4s. 6d.

MR. FERGUSSON, F.R.S.,

PROFESSOR OF SURGERY IN KING'S COLLEGE, LONDON.

A SYSTEM OF PRACTICAL SURGERY; with numerous Illustrations on Wood. Third Edition. Fcap. 8vo. cloth, 12s. 6d.

MR. CHURCHILL'S PUBLICATIONS.

DR. ERNEST VON FEUCHTERSLEBEN.

DIETETICS OF THE SOUL. Translated from the Seventh German Edition. Foolscap 8vo. cloth, 5s.

C. REMIGIUS FRESENIUS.

ELEMENTARY INSTRUCTION IN CHEMICAL ANALYSIS, AS PRACTISED IN THE LABORATORY OF GIESSEN. Edited by LLOYD BULLOCK, late Student at Giessen.

QUALITATIVE; Third Edition. 8vo. cloth, 9s.

QUANTITATIVE. Second Edition. *In the Press.*

"I can confidently recommend this work, from my own personal experience, to all who are desirous of obtaining instruction in analysis, for its simplicity and usefulness, and the facility with which it may be apprehended."—*Baron Liebig.*

MR. FOWNES, PH. D., F.R.S.

A MANUAL OF CHEMISTRY; with numerous Illustrations on Wood. Fourth Edition. Fcap. 8vo. cloth, 12s. 6d.

Edited by H. BENCKE JONES, M.D., F.R.S., and A. W. HOFMANN, PH.D., F.R.S.

"An admirable exposition of the present state of chemical science, simply and clearly written, and displaying a thorough practical knowledge of its details, as well as a profound acquaintance with its principles. The illustrations, and the whole getting-up of the book, merit our highest praise."—*British and Foreign Medical Review.*

II.

THE ACTONIAN PRIZE ESSAY OF 100 GUINEAS,

AWARDED BY THE COMMITTEE OF THE ROYAL INSTITUTION OF GREAT BRITAIN.

CHEMISTRY, AS EXEMPLIFYING THE WISDOM AND BENEFICENCE OF GOD. Second Edition. Fcap. 8vo. cloth, 4s. 6d.

III.

INTRODUCTION TO QUALITATIVE ANALYSIS. Post 8vo. cloth, 2s.

IV.

CHEMICAL TABLES. Folio, price 2s. 6d.

DR. FULLER,

ASSISTANT-PHYSICIAN TO ST. GEORGES'S HOSPITAL.

ON RHEUMATISM, RHEUMATIC GOUT, AND SCIATICA: their Pathology, Symptoms, and Treatment. 8vo. cloth, 12s. 6d.

"We have been much pleased by the perusal of Dr. Fuller's interesting volume. The views it enforces are sound and judicious, and are based upon that foundation on which all doctrines in medicine ought to rest—namely, clinical experience."—*Medical Times and Gazette.*

"We would particularly recommend a careful perusal of Dr. Fuller's pages, for in them will be found much sound and practical information, drawn from a large field of observation and experience."—*Lancet.*

DR. GAIRDNER.

ON GOUT; its History, its Causes, and its Cure. Second Edition. Post 8vo. cloth, 7s. 6d.

"No one can rise from the perusal of Dr. Gairdner's treatise without the conviction that it contains a trustworthy history of the disease,—that it conveys sound directions for treatment,—and that it is the work of a physician who, amid the wearying toil of a large and successful practice, keeps himself thoroughly conversant with all the recent advances in physiological science, both at home and abroad."—*Medical Times.*

MR. CHURCHILL'S PUBLICATIONS.

MR. GALLOWAY,

I.

THE FIRST STEP IN CHEMISTRY. Post 8vo. cloth, 3s.

"We heartily commend this unpretending and useful work to the heads of scholastic establishments, and to others who are anxious to initiate their pupils into the principles of a most fascinating and most useful branch of human knowledge."—*London Journal of Medicine*.

II.

A MANUAL OF QUALITATIVE ANALYSIS. Post 8vo. cloth, 4s.

"This is really a valuable little book. We have not for a long time met with an introductory Manual which so completely fulfils its intention."—*Athenæum*.

DR. GAVIN.

ON FEIGNED AND FICTITIOUS DISEASES, chiefly of Soldiers and Seamen; on the means used to simulate or produce them, and on the best Modes of discovering Impostors; being the Prize Essay in the Class of Military Surgery in the University of Edinburgh. 8vo. cloth, 9s.

DR. GLOVER.

ON THE PATHOLOGY AND TREATMENT OF SCROFULA; being the Forthergillian Prize Essay for 1846. With Plates. 8vo. cloth, 10s. 6d.

MR. GRANTHAM.

FACTS AND OBSERVATIONS IN MEDICINE AND SURGERY; with additional Memoirs. 8vo. cloth, 7s. 6d.

"We recommend this work to the perusal of our readers, and feel sure they will derive instruction from its pages."—*Lancet*.

MR. GRAY, M.R.C.S.

PRESERVATION OF THE TEETH indispensable to Comfort and Appearance, Health, and Longevity. 18mo. cloth, 3s.

"This small volume will be found interesting and useful to every medical practitioner, the heads of families, and those who have the care of children; while persons who have lost teeth will be made aware of the cause, and enabled to judge for themselves of the rationale of the principles pointed out for their replacement, and preservation of the remainder."

MR. GRIFFITHS.

CHEMISTRY OF THE FOUR SEASONS—Spring, Summer, Autumn, Winter. Illustrated with Engravings on Wood. Post 8vo. cloth, 10s. 6d.

"This volume combines, in an eminent degree, amusement with instruction. The laws and properties of those wonderful and mysterious agents—heat, light, electricity, galvanism, and magnetism, are appropriately discussed, and their influence on vegetation noticed. We would especially recommend it to youths commencing the study of medicine, both as an incentive to their natural curiosity, and an introduction to several of those branches of science which will necessarily soon occupy their attention."—*British and Foreign Medical Review*.

DR. GULLY.

I.

THE WATER CURE IN CHRONIC DISEASE: an Exposition of the Causes, Progress, and Terminations of various Chronic Diseases of the Viscera, Nervous System, and Limbs, and of their Treatment by Water and other Hygienic Means. Fourth Edition. Foolscap 8vo. sewed, 2s. 6d.

II.

THE SIMPLE TREATMENT OF DISEASE; deduced from the Methods of Expectancy and Revulsion. 18mo. cloth, 4s.

III.

AN EXPOSITION OF THE SYMPTOMS, ESSENTIAL NATURE, AND TREATMENT OF NERVOUSNESS. Second Edition. 8vo. 6s.

MR. GUTHRIE, F.R.S.

I.

THE ANATOMY OF THE BLADDER AND OF THE URETHRA. Third Edition. 8vo. cloth, 5s.

II.

ON INJURIES OF THE HEAD AFFECTING THE BRAIN, AND ON HERNIA. 4to. boards, 7s.

III.

ON WOUNDS AND INJURIES OF THE CHEST. 8vo. cloth, 4s. 6d.

DR. GUY,

PHYSICIAN TO KING'S COLLEGE HOSPITAL.

HOOVER'S PHYSICIAN'S VADE-MECUM; OR, MANUAL OF THE PRINCIPLES AND PRACTICE OF PHYSIC. New Edition, considerably enlarged, and re-written. Foolscap 8vo. cloth, 10s. 6d.

GUY'S HOSPITAL REPORTS. Vol. VIII. Part I. 7s., with Plates.

CONTENTS.

1. Cases of Pneumothorax, with Remarks. By H. M. HUGHES, M.D.
2. Cases selected from the Ward-Books of Petersham House, and from the Records of the Lying-in Charity; with Remarks. By JOHN C. W. LEVER, M.D.
3. On the Pulse. By G. H. BARLOW, M.D.
4. Intra-Uterine Polypus of great size, developed during Pregnancy. By DR. OLDHAM.
5. Ophthalmic Case. By JOHN FRANCE.
6. A Further Report on the Value of Electricity as a Remedial Agent. By WILLIAM GULL, M.D. With Plate.
7. Parthogenetic Tumour attached to the Muscular Tissue of the Left Ventricle of the Heart of a Sheep. By WILLIAM GULL, M.D. With Plate.
8. Vitiligoidea; *α. Plana*; *β. Tuberosa*. By WILLIAM GULL, M.D. With Plate.
9. A Few Remarks on Peculiar Follicular Disease. By EDWARD COCK. With Plates.
10. Cases of Intestinal Obstruction relieved by Operation; with Remarks. By JOHN HILTON, F.R.C.S. With Plate.

MR. CHURCHILL'S PUBLICATIONS.

DR. MARSHALL HALL, F.R.S.

PRACTICAL OBSERVATIONS AND SUGGESTIONS IN MEDICINE. Post 8vo. cloth, 8s. 6d.

DITTO. Second Series. Post 8vo. cloth, 8s. 6d.

"The work affords fruits of the mental energy of an observer who is anything but content to follow the beaten path where more successful roads lie open before him. It is not a work of speculative dreamy philosophy, but of sound practical common sense, and as such will recommend itself to the judicious practitioner."—*Northern Journal of Medicine*.

MR. HARE, M.R.C.S.

PRACTICAL OBSERVATIONS ON THE PREVENTION, CAUSES, AND TREATMENT OF CURVATURES OF THE SPINE; with Engravings. Third Edition. 8vo. cloth, 6s.

MR. HARRISON, F.R.C.S.

THE PATHOLOGY AND TREATMENT OF STRICTURE OF THE URETHRA. 8vo. cloth, 7s. 6d.

MR. JAMES B. HARRISON, F.R.C.S.

ON THE CONTAMINATION OF WATER BY THE POISON OF LEAD, and its Effects on the Human Body. Foolscap 8vo. 3s. 6d.

MR. F. W. HEADLAND, B.A., M.R.C.S.

ON THE ACTION OF MEDICINES; OR, THE MODE IN WHICH THERAPEUTIC AGENTS INTRODUCED INTO THE STOMACH PRODUCE THEIR PECULIAR EFFECTS ON THE ANIMAL ECONOMY. Being the Prize Essay to which the Medical Society of London awarded the Fothergillian Gold Medal for 1852. 8vo. cloth, 8s. 6d.

"Mr. Headland's book is very creditable to his talents; it displays in every page the evidence of extensive knowledge and of sound reasoning."—*Medical Times*.

"This is a book after the critic's own heart. Treating of a subtle point, which has in almost all ages and countries occupied the attention of medical and chemical philosophers, Mr. Headland has struck out a path for himself, and has thereby not only shown how much remained to be done, how many of our hypotheses as to the action of medicines were grounded on the insecure foundation of bare assertion, but by his laborious essay has put the present views of therapeutists in a clear light, and by his own experiments and observations has removed some of the many deep obscurities which have so long surrounded the subject."—*Lancet*.

MR. HIGGINBOTTOM, F.R.C.S.

I.

ADDITIONAL OBSERVATIONS ON THE NITRATE OF SILVER; with full Directions for its Use as a Therapeutic Agent. 8vo. 2s. 6d.

II.

AN ESSAY ON THE USE OF THE NITRATE OF SILVER IN THE CURE OF INFLAMMATION, WOUNDS, AND ULCERS. Second Edition. Price 5s.

DR. JAMES HOPE, F.R.S.

ON DISEASES OF THE HEART AND GREAT VESSELS. Fourth Edition. Post 8vo. cloth, 10s. 6d.

"This is a new edition of the late Dr. Hope's well-known treatise, reduced in size and price. To those who are desirous of possessing this truly standard work, we would strongly recommend the present edition."—*Provincial Medical Journal*.

MR. CHURCHILL'S PUBLICATIONS.

MR. THOMAS HUNT, M.R.C.S.

THE PATHOLOGY AND TREATMENT OF CERTAIN DISEASES OF THE SKIN, generally pronounced Intractable. Illustrated by upwards of Forty Cases. 8vo. cloth, 6s.

"We have found Mr. Hunt's practice exceedingly successful in severe obstinate cases."—*Braithwaite's Retrospect of Medicine*.

"The facts and views he brings forward eminently merit attention."—*British and Foreign Medical Review*.

DR. ARTHUR JACOB, F.R.C.S.,

PROFESSOR OF ANATOMY AND PHYSIOLOGY IN THE ROYAL COLLEGE OF SURGEONS IN IRELAND.

A TREATISE ON THE INFLAMMATIONS OF THE EYE-BALL.
Foolscap 8vo. cloth, 5s.

It includes the Description and Treatment of the Idiopathic, Scrofulous, Rheumatic, Arthritic, Syphilitic, Gonorrhæal, Post-febrile, and Neuralgic Species; as well as the circumscribed Inflammations of the Cornea, Membrane of the Aqueous Humour, Choroid, Crystalline Lens and Retina; and also Inflammation from Injury, with the Sympathetic and Phlebitic varieties.

MR. WHARTON JONES, F.R.S.,

PROFESSOR OF OPHTHALMIC MEDICINE AND SURGERY IN UNIVERSITY COLLEGE.

I.

A MANUAL OF THE PRINCIPLES AND PRACTICE OF
OPHTHALMIC MEDICINE AND SURGERY; illustrated with 102 Engravings,
plain and coloured. Foolscap 8vo. cloth, 12s. 6d.

"The work presents, in a compendious form, a complete and correct view of the present state of ophthalmological science."—*Edinburgh Medical and Surgical Journal*.

"We can assure students that they cannot meet with a hand-book on this subject that is more ably or more carefully written."—*Medical Gazette*.

"We entertain little doubt that this work will become a manual for daily reference and consultation by the student and general practitioner."—*British and Foreign Medical Review*.

II.

THE WISDOM AND BENEFICENCE OF THE ALMIGHTY,
AS DISPLAYED IN THE SENSE OF VISION; being the Actonian Prize Essay
for 1851. With Illustrations on Steel and Wood. Foolscap 8vo. cloth, 4s. 6d.

"A fit sequel to the Bridgewater Treatises: it is philosophically and admirably written."—*Literary Gazette*.

"This treatise resembles in style of treatment the famous Bridgewater Treatises."—*Athenæum*.

DR. BENCE JONES, F.R.S.

ON ANIMAL CHEMISTRY, in its relation to STOMACH and RENAL
DISEASES. 8vo. cloth, 6s.

"The work of Dr. Bence Jones is one of the most philosophical and practical which has issued from the press for many years past."—*Lancet*.

"Dr. Bence Jones is already favourably known as the author of works and papers on animal chemistry, and this contribution to his favourite science is calculated to extend his reputation as an able chemist and sound physician."—*Monthly Medical Journal*.

MR. CHURCHILL'S PUBLICATIONS.

MR. LAWRENCE, F.R.S.

A TREATISE ON RUPTURES. The Fifth Edition, considerably enlarged. 8vo. cloth, 16s.

"The peculiar advantage of the treatise of Mr. Lawrence is, that he explains his views on the anatomy of hernia and the different varieties of the disease in a manner which renders his book peculiarly useful to the student. It must be superfluous to express our opinion of its value to the surgical practitioner. As a treatise on hernia, presenting a complete view of the literature of the subject, it stands in the first rank."—*Edinburgh Medical and Surgical Journal*.

DR. HUNTER LANE, F.L.S.

A COMPENDIUM OF MATERIA MEDICA AND PHARMACY; adapted to the London Pharmacopœia, 1851, embodying all the new French, American, and Indian Medicines, and also comprising a Summary of Practical Toxicology. Second Edition. 24mo. cloth, 5s. 6d.

"Dr. Lane's volume is on the same general plan as Dr. Thompson's long-known *Conspectus*; but it is much fuller in its details, more especially in the chemical department. It seems carefully compiled, is well suited for its purpose, and cannot fail to be useful."—*British and Foreign Medical Review*.

MR. EDWIN LEE.

I.

THE BATHS OF RHENISH GERMANY; with Notices of the adjacent Towns. Post 8vo. cloth, 4s.

II.

OBSERVATIONS ON THE MEDICAL INSTITUTIONS AND PRACTICE OF FRANCE, ITALY, AND GERMANY; with Notices of the Universities and Climates, and a Parallel View of English and Foreign Medicine and Surgery. Second Edition, 7s. 6d.

III.

PRACTICAL OBSERVATIONS ON MINERAL WATERS AND BATHS. Post 8vo. cloth, 3s.

DR. ROBERT LEE, F.R.S.

I.

CLINICAL REPORTS OF OVARIAN AND UTERINE DISEASES, with Commentaries. Foolsap 8vo. cloth, 6s. 6d.

II.

CLINICAL MIDWIFERY; comprising the Histories of 545 Cases of Difficult, Preternatural, and Complicated Labour, with Commentaries. Second Edition. Foolsap 8vo. cloth, 5s.

"More instructive to the juvenile practitioner than a score of systematic works."—*Lancet*.

"Will be consulted by every accoucheur who practises his art with the zeal which it merits."—*Medical Gazette*.

"An invaluable record for the practitioner."—*New York Annalist*.

"This admirable book of precedents."—*Boston Medical and Surgical Journal*.

"A storehouse of valuable facts and precedents."—*American Journal of the Medical Sciences*.

III.

PRACTICAL OBSERVATIONS ON DISEASES OF THE UTERUS. With coloured Plates. Two Parts. Imperial 4to., 7s. 6d. each Part.

MR. CHURCHILL'S PUBLICATIONS.

MR. LISTON, F.R.S.,

PRACTICAL SURGERY. Fourth Edition. 8vo. cloth, 22s.

"In conclusion, it is scarcely necessary to repeat our earnest recommendation of Mr. Liston's work. Having on a former occasion expressed ourselves strongly on the subject, we can only add that the present edition is, as it should be, even more worthy of our praise than its predecessors. It is a guide to the advanced student, and, as suggesting practical observations of the highest value to the practitioner, it is unsurpassed."—*British and Foreign Medical Review*.

LONDON MEDICAL SOCIETY OF OBSERVATION.

WHAT TO OBSERVE AT THE BED-SIDE, AND AFTER DEATH. Published by Authority. Foolscep 8vo. cloth, 4s. 6d.

MR. EDWARD F. LONSDALE,

SURGEON TO THE ROYAL ORTHOPEDIC HOSPITAL.

OBSERVATIONS ON THE TREATMENT OF LATERAL CURVATURE OF THE SPINE. Second Edition. 8vo. cloth, 6s.

"We would wish that this treatise on lateral curvature of the spine were generally read, since much ignorance prevails concerning the subject, and, consequently, it presents an ample field for the quack, and an opprobrium to the profession."—*Lancel*.

M. LUGOL.

ON SCROFULOUS DISEASES. Translated from the French, with Additions by W. H. RANKING, M.D., Physician to the Suffolk General Hospital. 8vo. cloth, 10s. 6d.

"One of the most valuable works presented to the public for many a year, and calculated to deeply modify the views of the profession with regard to the pathology of scrofula."—*Lancel*.

DR. MACREIGHT.

A MANUAL OF BRITISH BOTANY; with a Series of Analytical Tables for the Assistance of the Student in the Examination of the Plants indigenous to, or commonly cultivated in, Great Britain. Small 8vo. cloth, 7s. 6d.

"There is a prodigious mass of elementary matter and useful information in this pocket volume."—*Medico-Chirurgical Review*.

DR. MACKNESS.

I.

MEMORIALS OF HIS LIFE AND CHARACTER. 24mo. cloth, 4s. 6d.

II.

HASTINGS CONSIDERED AS A RESORT FOR INVALIDS. Second Edition. 8vo. cloth, 4s.

III.

THE MORAL ASPECTS OF MEDICAL LIFE. 12mo. cloth, 7s. 6d.

MR. MACILWAIN,

CONSULTING SURGEON TO THE FINSBURY DISPENSARY ETC.

ON TUMOURS, THEIR GENERAL NATURE AND TREATMENT. 8vo. cloth, 5s.

MR. CHURCHILL'S PUBLICATIONS.

DR. WM. H. MADDEN.

THOUGHTS ON PULMONARY CONSUMPTION; with an Appendix on the Climate of Torquay. Post 8vo. cloth, 5s.

"This work is the product of a mind, sensible alike to the value of carefully observed facts, and of philosophical reasoning. We cordially recommend our readers to peruse this instructive treatise; the views brought forward are such as to merit careful attention from every candid pathological inquirer."
—*London Journal of Medicine*.

DR. MARTIN.

THE UNDERCLIFF, ISLE OF WIGHT: its Climate, History, and Natural Productions. Post 8vo. cloth, 10s. 6d.

"Dr. Martin has rendered good service to patients and practitioners by the publication of this work."
—*Medical Gazette*.

"A great variety of information, collected with much labour, and so agreeably placed before the general and professional reader, speak highly for the zeal and ability of the author."—*Lancet*.

DR. MASON.

INVENTOR OF MASON'S HYDROMETER.

ON THE CLIMATE AND METEOROLOGY OF MADEIRA:

Edited by JAMES SHERIDAN KNOWLES; to which are attached a Review of the State of Agriculture and of the Tenure of Land, by GEORGE PEACOCK, D.D., F.R.S.; and an Historical and Descriptive Account of the Island, and Guide to Visitors, by JOHN DRIVER, Consul for Greece, Madeira. 8vo. cloth, 18s.; royal 8vo. £1. 11s. 6d.

DR. MILLINGEN.

ON THE TREATMENT AND MANAGEMENT OF THE INSANE; with Considerations on Public and Private Lunatic Asylums. 18mo. cloth, 4s. 6d.

"Dr. Millingen, in one small pocket volume, has compressed more real solid matter than could be gleaned out of any dozen of octavos on the same subject. We recommend this *vide-mecum* as the best thing of the kind we ever perused."—*Dr. Johnson's Review*.

MR. JOHN L. MILTON, M.R.C.S.

PRACTICAL OBSERVATIONS ON A NEW WAY OF TREATING GONORRHOEA. With some Remarks on the Cure of Inveterate Cases. 8vo. cloth, 5s.

DR. MONRO,

FELLOW OF THE ROYAL COLLEGE OF PHYSICIANS.

I.

REMARKS ON INSANITY: its Nature and Treatment. 8vo. cloth, 6s.

"We see throughout its pages evidences of a highly cultivated mind without any assumption, and an honest spirit of inquiry marked by great zeal and an earnest desire to afford a helping hand to benefit the condition of the insane."—*Dublin Quarterly Journal*.

II.

AN ESSAY ON STAMMERING. 8vo. 2s. 6d.

III.

REFORM IN PRIVATE LUNATIC ASYLUMS. 8vo. cloth, 4s

MR. CHURCHILL'S PUBLICATIONS.

MR. NASMYTH, F.L.S., F.G.S., F.R.C.S.

RESEARCHES ON THE DEVELOPMENT, STRUCTURE, AND
DISEASES OF THE TEETH. With Ten finely-engraved Plates, and Forty Illustrations on Wood. 8vo. cloth, 1*l.* 1*s.*

MR. NOBLE, M.R.C.S.E.

THE BRAIN AND ITS PHYSIOLOGY. Post 8vo. cloth, 6*s.*

MR. NOURSE, M.R.C.S.

TABLES FOR STUDENTS. Price One Shilling.

1. Divisions and Classes of the Animal Kingdom.
2. Classes and Orders of the Vertebrate Sub-kingdom.
3. Classes of the Vegetable Kingdom, according to the Natural and Artificial Systems.
4. Table of the Elements, with their Chemical Equivalents and Symbols.

MR. NUNNELEY.

A TREATISE ON THE NATURE, CAUSES, AND TREATMENT
OF ERYSIPELAS. 8vo. cloth, 10*s.* 6*d.*

Oxford Editions.—Edited by Dr. GREENHILL.

- I. ADDRESS TO A MEDICAL STUDENT. Second Edition, 18mo. cloth, 2*s.* 6*d.*
- II. PRAYERS FOR THE USE OF THE MEDICAL PROFESSION. Second Edition, cloth, 1*s.* 6*d.*
- III. LIFE OF SIR JAMES STONHOUSE, BART., M.D. Cloth, 4*s.* 6*d.*
- IV. ANECDOTA SYDENHAMIANA. Second Edition, 18mo. 2*s.*
- V. LIFE OF THOMAS HARRISON BURDER, M.D. 18mo. cloth, 4*s.*
- VI. BURDER'S LETTERS FROM A SENIOR TO A JUNIOR PHYSICIAN,
ON PROMOTING THE RELIGIOUS WELFARE OF HIS PATIENTS. 18mo. sewed, 6*d.*
- VII. LIFE OF GEORGE CHEYNE, M.D. 18mo. sewed, 2*s.* 6*d.*
- VIII. HUFELAND ON THE RELATIONS OF THE PHYSICIAN TO THE
SICK, TO THE PUBLIC, AND TO HIS COLLEAGUES. 18mo. sewed, 9*d.*
- IX. GISBORNE ON THE DUTIES OF PHYSICIANS. 18mo. sewed, 1*s.*
- X. LIFE OF CHARLES BRANDON TRYE. 18mo. sewed, 1*s.*
- XI. PERCIVAL'S MEDICAL ETHICS. Third Edition, 18mo. cloth, 3*s.*
- XII. CODE OF ETHICS OF THE AMERICAN MEDICAL ASSOCIATION. 8*d.*
- XIII. WARE ON THE DUTIES AND QUALIFICATIONS OF PHYSICIANS.
8*d.*
- XIV. MAURICE ON THE RESPONSIBILITIES OF MEDICAL STUDENTS.
9*d.*
- XV. FRASER'S QUERIES IN MEDICAL ETHICS. 9*d.*

MR. CHURCHILL'S PUBLICATIONS.

MR. PAGET,

LECTURER ON PHYSIOLOGY AT ST. BARTHOLOMEW'S HOSPITAL.

A DESCRIPTIVE CATALOGUE OF THE ANATOMICAL
MUSEUM OF ST. BARTHOLOMEW'S HOSPITAL. Vol. I. Morbid Anatomy.
8vo. cloth, 5s.

DITTO. Vol. II. Natural and Congenitally Malformed Structures, and Lists of the
Models, Casts, Drawings, and Diagrams. 5s.

MR. LANGSTON PARKER,

SURGEON TO QUEEN'S HOSPITAL, BIRMINGHAM.

I.

THE TREATMENT OF SECONDARY, CONSTITUTIONAL AND
CONFIRMED SYPHILIS, by a safe and successful Method; with numerous Cases
and Clinical Observations, illustrating its Efficacy and Mode of Application in the more
obstinate and complicated forms of the Disease. Post 8vo. cloth, 5s.

II.

THE MODERN TREATMENT OF SYPHILITIC DISEASES;
comprehending the Improved Methods of Practice adopted in this Country and on the
Continent, with numerous Formulae for the Preparation and Administration of the new
Remedies. Second Edition, considerably enlarged. Post 8vo. cloth, 6s. 6d.

III.

DIGESTION AND ITS DISORDERS considered in reference to the
Principles of Dietetics and the Management of Diseases of the Stomach. Post 8vo.
cloth, 3s. 6d.

DR. THOMAS B. PEACOCK, M.D.,

ASSISTANT-PHYSICIAN TO ST. THOMAS'S HOSPITAL, ETC.

ON THE INFLUENZA, OR EPIDEMIC CATARRHAL FEVER
OF 1847-8. 8vo. cloth, 5s. 6d.

"We know of no work which contains a more complete description of the disease, and its complica-
tions."—*Lancet*.

MR. PETTIGREW, F.R.S.

ON SUPERSTITIONS connected with the History and Practice of
Medicine and Surgery. 8vo. cloth, 7s.

"The anecdotal character of this work cannot fail to render it generally acceptable; while the good
sense that pervades it, as distant from empty declamation as from absurd credulity, stamps it with true
historic value."—*Gentleman's Magazine*.

MR. PIRRIE, F.R.S.E.,

REGIUS PROFESSOR OF SURGERY IN THE UNIVERSITY OF ABERDEEN.

THE PRINCIPLES AND PRACTICE OF SURGERY. With
numerous Engravings on Wood. 8vo. cloth, 21s.

"Professor Pirrie has produced a work which is equally worthy of praise as an admirable text-book
for surgical pupils, and as a book of reference for experienced practitioners. We rejoice to find that the
chair of surgery is so ably filled in Aberdeen. . . . Professor Pirrie's work is clear and trustworthy.
All recent improvements, real or pretended, are judiciously and candidly discussed."—*London Journal
of Medicine*.

THE PRESCRIBER'S PHARMACOPŒIA; containing all the Medicines in the London Pharmacopœia, arranged in Classes according to their Action, with their Composition and Doses. By a Practising Physician. Fourth Edition. 32mo. cloth, 2s. 6d.; roan tuck (for the pocket), 3s. 6d.

"Never was half-a-crown better spent than in the purchase of this '*Thesaurus Medicaminum*.' This little work, with our visiting-book and stethoscope, are our daily companions in the carriage."—*Dr. Johnson's Review*.

PHARMACOPŒIA COLLEGII REGALIS MEDICORUM LONDINENSIS. 8vo. cloth, 9s.; or 24mo. 5s.

DR. PROUT, F.R.S.

I.

ON THE NATURE AND TREATMENT OF STOMACH AND RENAL DISEASES; being an Inquiry into the Connection of Diabetes, Calculus, and other Affections of the Kidney and Bladder with Indigestion. Fifth Edition. With Seven Engravings on Steel. 8vo. cloth, 20s.

II.

CHEMISTRY, METEOROLOGY, AND THE FUNCTION OF DIGESTION, considered with reference to NATURAL THEOLOGY. Being a Third Edition, with much new matter, of the "Bridgewater Treatise." 8vo. cloth, 15s.

SIR WM. PYM, K.C.H.,
INSPECTOR-GENERAL OF ARMY HOSPITALS.

OBSERVATIONS UPON YELLOW FEVER, with a Review of "A Report upon the Diseases of the African Coast, by Sir WM. BURNETT and Dr. BRYSON," proving its highly Contagious Powers. Post 8vo. 6s.

DR. RADCLIFFE.

I.

PROTEUS; OR, THE LAW OF NATURE. 8vo. cloth, 6s.

"We can truly commend Dr. Radcliffe's essay as full of interest, sound in its inferences, and calculated to enlarge our ideas of the vastness and simplicity of the scheme of creation, while, at the same time, it tends to increase our reverent admiration of the Omnipotence and Omniscience which, amidst such apparent incongruity, has established harmony, and has so marvellously combined unity of plan with endless variety of detail."—*Medical Gazette*.

II.

THE PHILOSOPHY OF VITAL MOTION. 8vo. cloth, 6s.

* * * *The chief object of this work is to demonstrate the existence of a common law of motion in the organic and inorganic world, by showing that the real operation of nervous and other vital agencies, and of electricity and other physical forces, is not to excite or stimulate contraction in muscle and other organic tissues, but to counteract this state and induce relaxation or expansion. By this means vital contraction is shown to be a purely physical phenomenon, perfectly analogous to that which takes place in a bar of metal when heat is withdrawn; and in addition to this, a new and intelligible explanation is afforded of capillary action and the rhythmical action of the heart.*

MR. CHURCHILL'S PUBLICATIONS.

DR. F. H. RAMSBOTHAM,

PHYSICIAN TO THE ROYAL MATERNITY CHARITY, ETC.

THE PRINCIPLES AND PRACTICE OF OBSTETRIC MEDICINE AND SURGERY. Illustrated with One Hundred and Twenty Plates on Steel and Wood; forming one thick handsome volume. Third Edition. 8vo. cloth, 22s.

"Dr. Ramsbotham's work is so well known, and so highly approved by the profession as a work of reference and authority in obstetric medicine and surgery, that we need do little more than direct the attention of our readers to the publication of a third edition. With regard to the engravings, they are so numerous, so well executed, and so instructive, that they are in themselves worth the whole cost of the book."—*Medical Gazette*.

DR. RAMSBOTHAM,

CONSULTING PHYSICIAN TO THE ROYAL MATERNITY CHARITY.

PRACTICAL OBSERVATIONS ON MIDWIFERY, with a Selection of Cases. Second Edition. 8vo. cloth, 12s.

Dr. Dewes states, in his advertisement to the American edition, "that he was so much pleased with Dr. Ramsbotham's work on Midwifery, that he thought he would be doing an acceptable office to the medical community in America, should he cause it to be re-published. He believes he does not say too much when he declares it to be, in his opinion, one of the best practical works extant."

DR. JAMES REID.

ON INFANTILE LARYNGISMUS; with Observations on Artificial Feeding, as a frequent Cause of this Complaint, and of other Convulsive Diseases of Infants. Post 8vo. cloth, 5s. 6d.

"To those who desire a useful manual upon the disease in question, we can recommend very confidently the work of Dr. Reid. We know of none better calculated to impart correct views in relation to its pathology and therapeutics."—*London Journal of the Medical Sciences*.

DR. RANKING & DR. RADCLIFFE.

HALF-YEARLY ABSTRACT OF THE MEDICAL SCIENCES;

being a Practical and Analytical Digest of the Contents of the Principal British and Continental Medical Works published in the preceding Half-Year; together with a Critical Report of the Progress of Medicine and the Collateral Sciences during the same period.

Volumes I. to XVI., 6s. 6d. each.

"The sifting which the journals and other medical works undergo, and the judicious selection from their pages of points of practical interest, and of discoveries of importance in the collateral sciences, form an important part of the duty of the editor; and, after a careful examination of Dr. Ranking's volumes, we are bound to state that the duty has been most ably performed."—*Provincial Medical Journal*.

DR. DU BOIS REYMOND.

ANIMAL ELECTRICITY; Edited by H. BENEC JONES, M.D., F.R.S. With Fifty Engravings on Wood. Foolscap 8vo. cloth, 6s.

"This small volume is a valuable addition to our scientific literature. Those who read with attention will learn many most important facts from this work, but it demands such attention."—*Athenæum*.

"The name of M. Du Bois Reymond is probably known to most of our readers, as that of a zealous investigator into Animal Electricity. We have now had the opportunity of witnessing some of the most interesting of these experiments. We beg to tender our thanks to Dr. Benec Jones for this very seasonable publication, and for the very efficient mode in which he has performed the task."—*Medico-Chirurgical Review*.

MR. CHURCHILL'S PUBLICATIONS.

MR. EVANS RIADORE, F.R.C.S., F.L.S.

I.

ON SPINAL IRRITATION, THE SOURCE OF NERVOUSNESS, INDIGESTION, AND FUNCTIONAL DERANGEMENTS OF THE PRINCIPAL ORGANS OF THE BODY; with Cases, illustrating the Importance of attending to the peculiar Temperature of the Patient, and the most successful Mode of Treatment, and on the legitimate Remedial Use of Water. Post 8vo. cloth, 5s. 6d.

II.

THE REMEDIAL INFLUENCE OF OXYGEN, NITROUS OXYDE, AND OTHER GASES, ELECTRICITY, AND GALVANISM. Post 8vo. cloth, 5s. 6d.

MR. ROBERTON,

FORMERLY SENIOR SURGEON TO THE MANCHESTER AND SALFORD LYING-IN HOSPITAL.

ON THE PHYSIOLOGY AND DISEASES OF WOMEN, AND ON PRACTICAL MIDWIFERY. 8vo. cloth, 12s.

"We honestly recommend this work to our readers as one calculated to interest them in the highest degree."—*Provincial Medical and Surgical Journal*

"We recommend this work very strongly to all engaged in obstetric practice, or interested in ethnological studies. It possesses practical utility and physiological interest, combined with the fruits of a large experience, great power of observation, and an extensive and varied erudition."—*Medical Gazette*.

DR. W. H. ROBERTSON,

PHYSICIAN TO THE HUXTON BATH CHARITY.

I.

THE NATURE AND TREATMENT OF GOUT.

8vo. cloth, 10s. 6d.

"We cannot conclude this notice of Dr. Robertson's treatise without cordially recommending it as a sound and practical work, fitted for reference, both as a work of information on the subject and as a guide to practice."—*Provincial Medical Journal*.

II.

A TREATISE ON DIET AND REGIMEN.

Fourth Edition. 2 vols. post 8vo. cloth, 12s.

"It is scarcely necessary that we should add our hearty recommendation of Dr. Robertson's treatise, not merely to our medical readers, but to the public, over whom they have an influence. It is one of the few books which is legitimately adapted, both in subject and manner of treatment, to both classes."—*British and Foreign Medico-Chirurgical Review*.

DR. ROTH.

ON MOVEMENTS. An Exposition of their Principles and Practice, for the Correction of the Tendencies to Disease in Infancy, Childhood, and Youth, and for the Cure of many Morbid Affections in Adults. Illustrated with numerous Engravings on Wood. 3vo. cloth, 10s.

DR. ROWE, F.S.A.

NERVOUS DISEASES, LIVER AND STOMACH COMPLAINTS, LOW SPIRITS, INDIGESTION, GOUT, ASTHMA, AND DISORDERS PRODUCED BY TROPICAL CLIMATES. With Cases. Thirteenth Edition. 8vo. 5s. 6d.

"Dr. Rowe, the first edition of whose work appeared in 1820, claims, with justice, a priority of authorship over many other writers in this field of inquiry."—*Lancet*.

MR. CHURCHILL'S PUBLICATIONS.

DR. ROYLE, F.R.S.

A MANUAL OF MATERIA MEDICA AND THERAPEUTICS.

With numerous Engravings on Wood. Second Edition. Fcap. 8vo. cloth, 12s. 6d.

"This is another of that beautiful and cheap series of Manuals published by Mr. Churchill. The execution of the wood-cuts of plants, flowers, and fruits is admirable. The work is indeed a most valuable one."—*British and Foreign Medical Review*.

MR. SAVORY,

MEMBER OF THE SOCIETY OF APOTHECARIES.

A COMPENDIUM OF DOMESTIC MEDICINE, AND COMPANION TO THE MEDICINE CHEST;

comprising Plain Directions for the Employment of Medicines, with their Properties and Doses, and Brief Descriptions of the Symptoms and Treatment of Diseases, and of the Disorders incidental to Infants and Children, with a Selection of the most efficacious Prescriptions. Intended as a Source of Easy Reference for Clergymen, and for Families residing at a Distance from Professional Assistance. Fourth Edition. 12mo. cloth, 5s.

DR. SHAPTER.

I.

THE CLIMATE OF THE SOUTH OF DEVON, AND ITS INFLUENCE UPON HEALTH.

With short Accounts of Exeter, Torquay, Teignmouth, Dawlish, Exmouth, Sidmouth, &c. Illustrated with a Map geologically coloured. Post 8vo. cloth, 7s. 6d.

"This volume is far more than a guide-book. It contains much statistical information, with very minute local details, that may be advantageously consulted by the medical man before he recommends any specific residence in Devonshire to his patient."—*Athenæum*.

II.

THE HISTORY OF THE CHOLERA IN EXETER IN 1832.

Illustrated with Map and Woodcuts. 8vo. cloth, 12s.

MR. SHAW.

THE MEDICAL REMEMBRANCER; OR, BOOK OF EMERGENCIES;

in which are concisely pointed out the Immediate Remedies to be adopted in the First Moments of Danger from Poisoning, Drowning, Apoplexy, Burns, and other Accidents; with the Tests for the Principal Poisons, and other useful Information. Third Edition. 32mo. cloth, 2s. 6d.

"The plan of this little book is well conceived, and the execution corresponds thereto. It costs little money, and will occupy little room; and we think no practitioner will regret being the possessor of what cannot fail, sooner or later, to be useful to him."—*British and Foreign Medical Review*.

MR. SKEY, F.R.S.

OPERATIVE SURGERY; with Illustrations engraved on Wood. 8vo. cloth, 18s.

"Mr. Skey's work is a perfect model for the operating surgeon, who will learn from it not only when and how to operate, but some more noble and exalted lessons, which cannot fail to improve him as a moral and social agent."—*Edinburgh Medical and Surgical Journal*.

"We pronounce Mr. Skey's 'Operative Surgery' to be a work of the very highest importance—a work by itself. The correctness of our opinion we trustfully leave to the judgment of the profession."—*Medical Gazette*.

DR. SPURGIN.

LECTURES ON MATERIA MEDICA, AND ITS RELATIONS

TO THE ANIMAL ECONOMY. Delivered before the Royal College of Physicians. 8vo. cloth, 5s. 6d.

MR. CHURCHILL'S PUBLICATIONS.

DR. W. TYLER SMITH,

PHYSICIAN-ACCOUCHEUR TO ST. MARY'S HOSPITAL.

I.

PARTURITION AND OBSTETRICS. Illustrated with Engravings on Wood. Second Edition, Foolscap 8vo. *Preparing.*

II.

THE PERIODOSCOPE, a new Instrument for determining the Date of Labour, and other Obstetric Calculations, with an Explanation of its Uses, and an Essay on the Periodic Phenomena attending Pregnancy and Parturition. 8vo. cloth, 4s.

"We anticipate for the work that which it deserves for its novelty, ingenuity, and utility—a wide circulation. It should be in the hands of all medical men who practise midwifery."—*Medical Gazette.*

III.

SCROFULA: its Causes and Treatment, and the Prevention and Eradication of the Strumous Temperament. 8vo. cloth, 7s.

"This treatise is a great improvement on those by which it has been preceded. The part of Dr. Smith's work with which we are most pleased is that devoted to the treatment of this formidable disease and to the management of scrofulous children."—*Lancet.*

MR. SQUIRE,

CHEMIST ON HER MAJESTY'S ESTABLISHMENT.

THE PHARMACOPŒIA, (LONDON, EDINBURGH, AND DUBLIN,) arranged in a convenient TABULAR FORM, both to suit the Prescriber for comparison, and the Dispenser for compounding the formulæ; with Notes, Tests, and Tables. 8vo. cloth, 12s.

"Mr. Squire has rendered good service to all who either prescribe or dispense medicines by this work. He has succeeded in bringing together the similar formulæ for ready comparison and reference. The work offers a striking comment on the necessity of uniformity in the strength and preparation of all medicines which are used in the United Kingdom."—*Lancet.*

"A very valuable work. Mr. Squire's volume combines the formulæ of the three Pharmacopœias, and at one glance shows the difference of the official preparations of the three kingdoms."—*Medical Times.*

"A most convenient and well-arranged work; it will be found of very great utility, both to the prescriber and to the dispenser."—*Medical Gazette.*

J. STEPHENSON, M.D., & J. M. CHURCHILL, F.L.S.

MEDICAL BOTANY; OR, ILLUSTRATIONS AND DESCRIPTIONS OF THE MEDICINAL PLANTS OF THE PHARMACOPŒIAS; comprising a popular and scientific Account of Poisonous Vegetables indigenous to Great Britain. Edited by GILBERT BURNETT, F.L.S., Professor of Botany in King's College.

In three handsome royal 8vo. volumes, illustrated by Two Hundred Engravings, beautifully drawn and coloured from nature, cloth lettered.

Reduced from £6. 6s. to £4.

"The most complete and comprehensive work on Medical Botany."—*Pharmaceutical Journal.*

"So high is our opinion of this work, that we recommend every student at college, and every surgeon who goes abroad, to have a copy, as one of the essential constituents of his library."—*Dr. Johnson's Medico-Chirurgical Review.*

MR. CHURCHILL'S PUBLICATIONS.

DR. STEGGALL.

STUDENTS' BOOKS FOR EXAMINATION.

I.

A MEDICAL MANUAL FOR APOTHECARIES' HALL AND OTHER MEDICAL BOARDS. Eleventh Edition. 12mo. cloth, 10s.

II.

A MANUAL FOR THE COLLEGE OF SURGEONS: intended for the Use of Candidates for Examination and Practitioners. Second Edition. One thick volume, 12mo. cloth, 12s. 6d.

III.

GREGORY'S CONSPECTUS MEDICINÆ THEORETICÆ. The First Part, containing the Original Text, with an Ordo Verborum, and Literal Translation. 12mo. cloth, 10s.

IV.

THE FIRST FOUR BOOKS OF CELSUS; containing the Text, Ordo Verborum, and Translation. 12mo. cloth, 8s.

••• The above two works comprise the entire Latin Classics required for Examination at Apothecaries' Hall.

V.

A TEXT-BOOK OF MATERIA-MEDICA AND THERAPEUTICS. 12mo. cloth, 7s.

VI.

FIRST LINES FOR CHEMISTS AND DRUGGISTS PREPARING FOR EXAMINATION AT THE PHARMACEUTICAL SOCIETY. 18mo. cloth, 3s. 6d.

DR. ALFRED TAYLOR, F.R.S.,

LECTURER ON MEDICAL JURISPRUDENCE AND CHEMISTRY AT GUY'S HOSPITAL.

I.

A MANUAL OF MEDICAL JURISPRUDENCE. Fourth Edition. Feap. 8vo. cloth, 12s. 6d.

"We recommend Mr. Taylor's work as the ablest, most comprehensive, and, above all, the most practical useful book which exists on the subject of legal medicine. Any man of sound judgment, who has mastered the contents of Taylor's 'Medical Jurisprudence,' may go into a Court of Law with the most perfect confidence of being able to acquit himself creditably."—*Medico-Chirurgical Review*.

"Mr. Taylor possesses the happy art of expressing himself on a scientific topic in intelligible language. The size of his Manual fits it to be a circuit companion."—*Law Times*.

II.

ON POISONS, in relation to MEDICAL JURISPRUDENCE AND MEDICINE. Feap. 8vo. cloth, 12s. 6d.

"An excellent and valuable manual. We predict for it a very favourable reception by the profession. It contains all that kind of information which a medical man will be glad to have access to when he has the prospect of appearing in the witness-box."—*Edinburgh Medical Journal*.

MR. TAMPLIN, F.R.C.S.E.,

SURGEON TO, AND LECTURER ON DEFORMITIES AT, THE ROYAL ORTHOPÆDIC HOSPITAL.

LATERAL CURVATURE OF THE SPINE: its Causes, Nature, and Treatment. 8vo. cloth, 4s.

MR. CHURCHILL'S PUBLICATIONS.

DR. SPENCER THOMSON.

I.

TEMPERANCE AND TOTAL ABSTINENCE; OR, THE USE AND ABUSE OF ALCOHOLIC LIQUORS IN HEALTH AND DISEASE. Being the Second Essay of the Temperance Prize, and recommended for publication by the Adjudicators. Post 8vo., 2s. 6d.

II.

BRITISH CHOLERA: its Nature and Causes considered in connection with Sanitary Improvement, and in comparison with Asiatic Cholera. Post 8vo. cloth, 4s.

"The work is sensible and well written, and bears on every page the results of a personal investigation of the subject under treatment."—*Lancet*.

DR. TILT.

I.

ON DISEASES OF WOMEN AND OVARIAN INFLAMMATION IN RELATION TO MORBID MENSTRUATION, STERILITY, PELVIC TUMOURS, AND AFFECTIONS OF THE WOMB. Second Edition. 8vo. cloth, 10s. 6d.

"We rejoice to see that physicians of weight and authority are beginning to look beyond the os and cervix uteri for the causes of disease in these parts. Already a reformation somewhat analogous to what Abernethy effected for surgical diseases has commenced, and we feel assured that Dr. Tilt's work will powerfully co-operate in helping it forward, and in placing the pathology and therapeutics of diseases of the female generative organs upon a sound and permanent basis."—*Dublin Quarterly Review*.

II.

ON THE PRESERVATION OF THE HEALTH OF WOMEN AT THE CRITICAL PERIODS OF LIFE. Foolscap 8vo. cloth, 4s. 6d.

"Our apology for the length of our extracts from Dr. Tilt's work, if any be necessary, is the interesting nature of the subject to which these extracts have reference, and the fact that they present a more concise and consistent sketch of the pathology of what is termed the *critical age of women* than we have yet met with, and we trust that Dr. Tilt will find time to write a more extended treatise on the same subject."—*American Journal of Medical Sciences*.

MR. TUKE.

DR. JACOBI ON THE CONSTRUCTION AND MANAGEMENT OF HOSPITALS FOR THE INSANE. Translated from the German. With Introductory Observations by the Editor. With Plates. 8vo. cloth, 9s.

DR. TURNBULL,

PHYSICIAN TO THE LIVERPOOL NORTHERN HOSPITAL.

I.

A TABULAR VIEW AND SYNOPSIS OF THE PHYSICAL SIGNS AND DIAGNOSIS OF THE DISEASES OF THE LUNGS. With Woodcuts, mounted on cloth, 5s. boards.

"This tabular view, affording a coup d'œil of the various auscultatory &c. phenomena discoverable in health and disease, will prove useful to many practitioners, as well as students, in their investigation of thoracic maladies."—*Medico-Chirurgical Review*.

II.

AN INQUIRY HOW FAR CONSUMPTION IS CURABLE; WITH OBSERVATIONS ON THE TREATMENT AND ON THE USE OF COD-LIVER OIL AND OTHER REMEDIES. 8vo. cloth, 4s.

MR. CHURCHILL'S PUBLICATIONS.

DR. TUNSTALL.

THE BATH WATERS; their Use and Effects in the Cure and Relief of various Chronic Diseases. 8vo. cloth, 5s.

VESTIGES OF THE NATURAL HISTORY OF CREATION.

Ninth Edition. Foolscap 8vo. sewed, 2s. 6d.

BY THE SAME AUTHOR.

EXPLANATIONS: A SEQUEL TO "VESTIGES."

Second Edition. Post 8vo. cloth, 5s.

DR. UNDERWOOD.

TREATISE ON THE DISEASES OF CHILDREN. Tenth Edition, with Additions and Corrections by HENRY DAVIES, M.D. 8vo. cloth, 15s.

DR. WAGSTAFF.

ON DISEASES OF THE MUCOUS MEMBRANE OF THE THROAT, and their Treatment by Topical Medication. Post 8vo. cloth, 4s. 6d.

DR. WALLER.

LECTURER ON MIDWIFERY AT ST. THOMAS'S HOSPITAL.

I.

ELEMENTS OF PRACTICAL MIDWIFERY; OR, COMPANION TO THE LYING-IN ROOM. With Plates. Third Edition. 18mo. cloth, 3s. 6d.

"Students and practitioners in midwifery will find it an invaluable pocket companion"—*Medical Times and Gazette*.

II.

A PRACTICAL TREATISE ON THE FUNCTION AND DISEASES OF THE UNIMPREGNATED WOMB. 8vo. cloth, 9s.

MR. HAYNES WALTON, F.R.C.S.,

SURGEON TO THE CENTRAL LONDON OPHTHALMIC HOSPITAL.

OPERATIVE OPHTHALMIC SURGERY. With Engravings on Wood. 8vo. cloth, 18s.

"We have carefully examined the book, and can consistently say, that it is eminently a practical work, evincing in its author great research, a thorough knowledge of his subject, and an accurate and most observing mind."—*Dublin Quarterly Journal*.

DR. WARDROP.

ON DISEASES OF THE HEART. 8vo. cloth, 12s.

MR. CHURCHILL'S PUBLICATIONS.

DR. WEGG.

OBSERVATIONS RELATING TO THE SCIENCE AND ART
OF MEDICINE. 8vo. cloth, 3s.

"We have much pleasure in stating, that the work is highly instructive, and proclaims its author to be a sober, sound, and able physician."—*London Journal of Medicine*.

DR. WHITEHEAD, F.R.C.S.,

SURGEON TO THE MANCHESTER AND SALFORD LYING-IN HOSPITAL.

I.

ON THE TRANSMISSION FROM PARENT TO OFFSPRING
OF SOME FORMS OF DISEASE, AND OF MORBID TAINTS AND
TENDENCIES. 8vo. cloth, 10s. 6d.

II.

THE CAUSES AND TREATMENT OF ABORTION AND
STERILITY: being the result of an extended Practical Inquiry into the Physiological
and Morbid Conditions of the Uterus, with reference especially to Leucorrhæal Affec-
tions, and the Diseases of Menstruation. 8vo. cloth, 12s.

"The work is valuable and instructive, and one that reflects much credit alike on the industry and practical skill of the author."—*Medico-Chirurgical Review*.

DR. WILLIAMS, F.R.S.,

PRINCIPLES OF MEDICINE; comprehending General Pathology and
Therapeutics. Second Edition. 8vo. cloth, 14s.

"We hail its appearance, not only on account of the value we are ready to attach to any production from the pen of its accomplished author, but also as the indication of a vast improvement in medical teaching, which must operate most favourably, at no distant date, on medical practice. The detailed examination on which we now enter will show that our anticipations are not too high, and that the work possesses the strongest claims to attention."—*British and Foreign Medical Review*.

DR. JOHN CALTHROP WILLIAMS,

LATE PHYSICIAN TO THE GENERAL HOSPITAL, NOTTINGHAM.

PRACTICAL OBSERVATIONS ON NERVOUS AND SYM-
PATHETIC PALPITATION OF THE HEART, as well as on Palpitation the
Result of Organic Disease. Second Edition, 8vo. cloth, 6s.

"From the extracts we have given, our readers will see that Dr. Williams's treatise is both able and practical."—*Medical Times*.

"The work is calculated to add to the author's reputation, and it is creditable to the provincial practitioners of England that so useful a treatise should have emanated from one of their body."—*Dublin Medical Press*.

DR. J. WILLIAMS.

I.

INSANITY: its Causes, Prevention, and Cure; including Apoplexy,
Epilepsy, and Congestion of the Brain. Second Edition. Post 8vo. cloth, 10s. 6d.

II.

ON THE ANATOMY, PHYSIOLOGY, AND PATHOLOGY OF
THE EAR; being the Prize Essay in the University of Edinburgh. With Plates.
8vo. cloth, 10s. 6d.

ERASMUS WILSON, F.R.S.

I.

THE ANATOMIST'S VADE-MECUM: A SYSTEM OF HUMAN ANATOMY. With numerous Illustrations on Wood. Fifth Edition. Foolscap 8vo. cloth, 12s. 6d.

"As a satisfactory proof that the praise we bestowed on the first edition of this work was not unmerited, we may observe it has been equally well thought of in foreign countries, having been reprinted in the United States and in Germany. In every respect, this work, as an anatomical guide for the student and the practitioner, merits our warmest and most decided praise."—*Medical Gazette*.

II.

DISEASES OF THE SKIN: A Practical and Theoretical Treatise on the DIAGNOSIS, PATHOLOGY, and TREATMENT OF CUTANEOUS DISEASES. Third Edition. 8vo. cloth, 12s.

THE SAME WORK; illustrated with finely-executed Engravings on Steel, accurately coloured. 8vo. cloth, 30s.

"The work is very considerably improved in the present edition. Of the plates it is impossible to speak too highly. The representations of the various forms of cutaneous disease are singularly accurate, and the colouring exceeds almost anything we have met with in point of delicacy and finish."—*British and Foreign Medical Review*.

III.

HEALTHY SKIN: A Treatise on the Management of the Skin and Hair in relation to Health. Fourth Edition. Foolscap 8vo. 2s. 6d.

"The student will be delighted to find his labours so much facilitated; and a few hours of agreeable society with a most pleasantly-written book will do more to make him acquainted with a class of obscure diseases than all that has been previously written on the subject."—*Lancet*.

IV.

PORTRAITS OF DISEASES OF THE SKIN. Folio. Fasciculi I. to XI. Containing Four highly-finished Coloured Plates. 20s. each.

"May be truly designated a splendid performance, surpassing, in the artistic beauty of its delineations, and fully equalling in their fidelity to nature, any thing which has yet been brought out in this country or on the continent. We can scarcely speak too strongly of the merits of this work."—*British and Foreign Medical Review*.

"We have never before seen a work more beautifully got up, both as regards the typography and the execution and colouring of the plates. Even Alibert's grand work sinks into the shade when placed by the side of that of Mr. Wilson's."—*Lancet*.

V.

ON SYPHILIS, CONSTITUTIONAL AND HEREDITARY; AND ON SYPHILITIC ERUPTIONS. With Four Coloured Plates. 8vo. cloth, 16s.

DR. FORBES WINSLOW.

A SYNOPSIS OF THE LAW OF LUNACY; as far as it relates to the Organization and Management of Private Asylums for the Care and Treatment of the Insane. In the form of a Chart, varnished, mounted on canvas and rollers, price 6s.

MR. YEARSLEY.

DEAFNESS PRACTICALLY ILLUSTRATED; being an Exposition of Original Views as to the Causes and Treatment of Diseases of the Ear. Third Edition. Post 8vo. cloth, 5s.

II.

ON THE ENLARGED TONSIL AND ELONGATED UVULA, and other Morbid Conditions of the Throat. Fourth Edition. 8vo. cloth, 5s.

CHURCHILL'S SERIES OF MANUALS.

"We here give Mr. Churchill public thanks for the positive benefit conferred on the Medical Profession, by the series of beautiful and cheap Manuals which bear his imprint."
British and Foreign Medical Review.

AGGREGATE SALE 55,500 COPIES.

DR. GOLDING BIRD, F.R.S.

ELEMENTS OF NATURAL PHILOSOPHY;

Being an Experimental Introduction to the Study of the Physical Sciences, with numerous Illustrations on Wood. Third Edition. Fcap. 8vo. cloth, 12s. 6d.

DR. CARPENTER, F.R.S.

A MANUAL OF PHYSIOLOGY.

With numerous Illustrations on Steel and Wood. Second Edition. Fcap. 8vo. cloth, 12s. 6d.

MR. FERGUSSON, F.R.S.E.

A SYSTEM OF PRACTICAL SURGERY.

With numerous Illustrations on Wood. Third Edition. Fcap. 8vo. cloth, 12s. 6d.

MR. FOWNES, PH.D., F.R.S.

A MANUAL OF CHEMISTRY.

With numerous Illustrations on Wood. Fourth Edition. Fcap. 8vo. cloth, 12s. 6d.

MR. WHARTON JONES, F.R.S.

A MANUAL OF OPHTHALMIC MEDICINE & SURGERY.

With Coloured Engravings on Steel, and Illustrations on Wood.
Fcap. 8vo. cloth, 12s. 6d.

DR. ROYLE, F.R.S.

A MANUAL OF MATERIA-MEDICA.

With numerous Illustrations on Wood. Second Edition. Fcap. 8vo. cloth. 12s. 6d.

DR. ALFRED TAYLOR, F.R.S.

A MANUAL OF MEDICAL JURISPRUDENCE.

Fourth Edition. Fcap. 8vo. cloth, 12s. 6d.

BY THE SAME AUTHOR.

ON POISONS.

Fcap. 8vo. cloth. 12s. 6d.

MR. ERASMUS WILSON, F.R.S.

THE ANATOMIST'S VADE-MECUM;

A SYSTEM OF HUMAN ANATOMY. With numerous Illustrations on Wood. Fifth Edition.
Fcap. 8vo. cloth, 12s. 6d.

